THE TIMES Higher Education

University places to be increased by 12pc

hy Judith Judd University places are to be increased to between 300,000 and 310,000 by 1980, au Increase of 12 per rent over the prosent total, Mrs Williams, the Seccetury of State for Hause of Commons last week. This first public Government rom-firmation of thivorsity numbers for the 1980s has coincided with an

finitation of university numbers for the 1980s has contrided with an indication from the Committee of Vice-Chancellors ond Principals and the University Grouts Committee that they would like to see the figure rest in little more than 300,000, coupled with forther funds

to cope with the extro students. Mrs Willioms told the House that the ceductions in college of orluca-tion places, which occumted to obout noe half of the 85,000 people in teacher training in 1975, had olready been "mude good" by the rest of higher oducation.

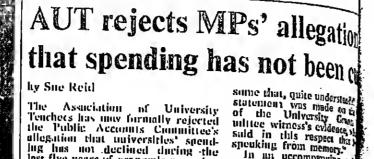
rest of higher oducation. In the public sector higher edu-cation colleges there would be an increase of nearly 40 per rem in the number of places during the next five years and in the universi-tles the figures were being increased from 270,000 at present to between 300,000 ond 310,000.

Some of the local anthorities will he pleused to have their financial burden lightened in this way but others will want to fight for the uppit in the two concerned to the parity in the two sectors which was envisaged in the White Paper 2 Framework for Expansion.

Universities, however, are cunfi dent that their arguments will be accepted since the cost of supplying the buildings for the increased stadent numbers will be much less in universities data it would be in the public sector.

It became clear last week that there will be more money for uni-versity building than had ariginally been supposed.

Individual universities have been asked to submit details of projects. Thuse for student residences are likely to be considered particularly favourably.



Association of University The Association of University Tenchecs has now formally rejected the Public Accounts Committee's allegation that universities' spend-ing has not declined during the last five years of economic recession in Beliefer.

Institive years in economic recession in Britain, in a confidential letter this week to the clerk to the PAC. Mr famile Sapper, AUT general secretary, has rebuked the committee for using "off the cuff" evidence about uni-versity expenditure in their winth ropart published in September. The PAC closing by Mr Schward

to the clerk in the PAC, Mr fainrie Sapper, AUT general secretary, has rebuked the committee for using "off the cuff" evidence about uni-versity expenditure in their minh ropart published in September. The PAC, chaired by Mc Edward du Cann, Conservative MP for Tuun-ton, mainteined: "It seems in us that in the committy's prosent finnn-eial circumstances, geants which maham the 1971-72 level in real terms cannot be regarded as hav-ing imposed un unfair burden on the university sectur."

The AUT now says there has been The AUT now says there has been a 6 per cent ceduction in university unit costs during the perind, a figure "quite at vaclance" with the conclusions of the committee. Mr Sapper's letter udds: "1 pre-

In mi uccompanying mi in uni uccompanying mi university costs during us years the AUT palme at universities rocurrent p 1971/72 and 1976/77 we include a state of the

favours cities local bodies say

Petor David

wiral government grant aid to W which are to be anonunced in

a incluit admitsion is a statute tools, work thus, admitsion is a statute tools, admitsion is admitsion is

Lecturers to fight ILEA's South Bank decision Polytechnic lecturers in London will

fight a decision of the funer Lon-don Education Authority to cluse the full-time general toachec. educa-tion course at South Bank Polytech-

nle. The London Regional Executive of the Nutional Assuctation of Tea-chers in Further and Higher Educa-tion is seeking urgant meetings with the Department of Education and Science and the ILEA after the education committee decided on Tuesday that the course should cluse.

the NATFRE says that of all the the MALLING soys and a nonneed cuts in toachec training announced in the last 12 months, this is the only onn to be unambiguously ini-

SRC tells polys

'stick to applied research'

Continued from page 1

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of hasic facilities. by the bodies responsible for funding, and a greater angure of autophy for indvidual institutions to dovelog their own mechaniants for fostering there and determining principles

ments against isoluting the hume economies course at the polytechnic from o general course, they justi-fled, this by the DES docision to exclude the general course at Shore-ditch Colloge in its proposed amal-gomation with Branol University.

Lecturors at the polytechnic, how-ever, say that the tiro cases oro wholly different and that, in ony case, the principle that specialized churses should run alongside genoral ones is not proved wrong by one exception. one exception.

This week's educulion committee declaion is subject to the aproement of the Secretory of State for Edu-cation but ILEA bellores they will

in the last 12 months, this is the only onn to be imambiguously ini-tiuled by o locol authority. The DRS originally proposed to allow the general course at the South Bank to confinue, but the ILEA felt that this would louve Avery Itill College and the Poly-technic of North London with too few places. Officers of the inithocity seid it would be extromely difficult for Avery Hill to offer a reasonable ronge of subjocts and to keep open the Milo End Annexe. Though they recognized the arguand Science, m consult local edit, and solutions in antibacting endicational uses for surples colloge of education. This could have cost the university, able. This could have cost the university and the trans docide to print the university backs and being university wild, the programment of Batton and the programment of Batton and the book is expected to sell in more standard in the could be sell in the trans docide to print the book st the publications of Teachers, the Nalonal Association of Teachers, the Nalonal Association of Teachers, the Nalonal Association of Teachers, the Nalonal Control and colleges throughout the publications and colleges throughout the programment of Batton and the programment of Batton to be programment of Batton and the programment of Batton and the programment of Batton to the programment

Individual indindividual individual individual individual individual indivi

Lord Thomson of Mouifieth was installed us chuncellor of Herlot-Wull University on Saturdoy at a cecemony in Rilinburgh Report, nuge 2 **Bristol plans** to publish own books

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 Own books

 Bristel Dalversity has launched of scheme to publick from the intressent cost of academic publiching. The first of the distribution of the scheme is riewed as on Indiction of the scheme is the scheme is riewed as on Indiction of the scheme is the scheme is riewed as on Indiction of the scheme is the scheme is riewed in the indiction of the scheme is the schem

cupialns of Hritishi infinitry cupialns of Hritishi infinitry Tho 25 students taken on to the programme each year trill all bo minurded generans scholarships, either by spansaring compaules ur unler the Government's industrial scholarships schome, whoso dictails still havo not been unnounced. Thoy will underga m intensivo tha "thin sundwich" typo, with industry carefully Integrated with prolods of practicul experience in industry carefully Integrated with university-based teaching. Profos-sor Ray Wild, the programmo director, cxpects in be collaborating with 15 to 20 ficms at may one Henloy Staff College, tho oldost

Mr Vyas was refused admission to the conrso eorlier this year aftar hu had been iotervlowed hy o spocial panel, including CCETSW reprosentatives. This provoked the three funding onthoritias, including Mr Vyas's employing borough of Newham, to order the course to be When the course was reopened brought by the students' union, sociel wock tuors at first refused to teach Mr Vyas. But they later withdrew their refused os part of

Mr Sauper said: "It is our con-tention that the Goveenment should be prepared to be flexible and recognize what has been happening in the universities. We know that the "ludicrous situation" where on Lecturers could sasistrunt secretary in the civil sac vice received a higher solary than a professor; where the head of a sotall college of education received an undergraduate student auni-bers are up by 5.5 per cent and yet the number; of full-timo tenching staff has only increased by 0.7 per "The difficulty with us is that when there's difficulty, there's a tondoney to turo up our coot collars, lunnerse ourself in our students ond our research nod weit until it all blows over--but this is while conega of external received innre thom some vice-chuncellors; ond whore a university lecturec with a PHD and post-doctoral ex-perionce cugaged in teaching and Can you visualize the numers or Can you visualize the nutters or the engineers being expected to, take on a 6.5 per ceot increase in their worklood just liko that with-au any talk af reward for the effort invulved?" The figures have been produced as the result of on AUT survey of staff/student ratios at 75 per cuit of universitive. original, research received nearly L1,000 n year less than a principal scionifie officac. Ile elso mentionod "the frighten-ing leon "-in the number of young momployed academics from 1,100 to 2,000 in about six mouths. This figure only included those not good enough." Many vice-choncellors and pcbici-pols leni dielr support to this weak's protost. Locil Boyle, vice-chancellor of Loeds Univecolty end cholmien of the Committee of Vice-Chancel-lors end Principols, joined the lohby. figure only included thoso registered and he ostimated the truo figure at about 4,000. per cout of universities. Mr Supper colled for on end to



Ministers stick to 10 per cent as dons march on Parliament

The Government is determined not to award university lecturers more than a to per cent pay rise despite then ouss lobby this week in support of a claim of more than 30 per cent, which would bring a lecturer's minimum subary to £4,222

by Judith Judil

Ministers will stick to the 10 per cent norm, us with the firement and other groups in the public sector. Though some recification of lecturers' pay anomaly in stages b likely, this year's soulement will fall fur shurt of their claim for increases of around 16 per cent

hereases in nound 16 per cent bom August 1 to caver the annualy, and cost-of-living Intrenses of about 15 per cent from October 1. Mrs Williams, the Secretary of State for Education, told on AUT deputation on Wednesday evening that the oniversity teachers' case way an anomaly that needed righting bar ony settlement must be width

was an anomaly that needed righting but only settlement most be within Gavernoiem pay policy. Inoverer, Mc Laurie Supper, general scoretary of the Association of University Teachers, told about 6000 lecturees on Wednesslay that the White Papee, in spite of what connectators made of it, clearly stated that the 10 per cent limit was not applicable to overy settle-in national avecoge earnings for the contry set a vebole.

The lecturees who atteinded the meeting had come from all nyer the country by special trains and buses for die meeting at Central Hall, Westallaster, which was followed by a purliamentary lobby.

Grant aid formula Sex discrimination test case

tonity and metropolitan councils are been involved in e bitter descention over the distribution of tentral



Mc Lourie Sopper, generol secretacy of the Association of University Tenchers (left), Professor A. Pritcharil, vice-president, and Dc C. F. Wells, president, delivering a letter outilaing their union's pay elsim to the Prime Minister before Wednesslay's mass lobby.

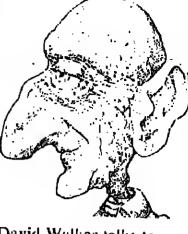
Port of entry test proposal to be dropped

by Suc Reid

by Suc Reid Immigration officiols will not now have the power to test the academic ability of incuming overseas stu-ileuts, occarding to a joint confi-dential circular released by the Department of Education and Science and the flome Office. The new draft eirenlar, distri-limited for comment last momb, amends the controversial document in entry regulations prepared by the two departments in August, 1976. It creatils the originally proposed powers of inimigration officials to test incoming students at the port of corry and states that colleges may be consulted "In cases of difficulty arising at ports". Unlike list year's document, that it is not the function of the iomigration service to moke an aca-demic assessment of a candidate. The eircular, now onder debate by government departments and budies concerned with foreign stu-dents, adds: "If the immigration unthurities have serious doubts about the control for a mineration anthurities have serious doubts about the academic credentiols of a student arriving in this cumbry they will oormally coll for on indepen-dent academic assessment hefore reaching a declsion on entry."

dent academic assessment hefore reaching a decision on entry." This would come from the college or polytechnic concerned but "oo orrusions" it might be necessary in obtain the help of local assessors if

a polyrechnic concerned but "oo or nsinus" it night be necessary in interview with a leading interview with a le



David Walker talks to Raymond Aron, one of France's most influentia political thinkers of the past 30 years, 9

Hunting the Marxists

Laurie Taylor joins a group of academic freedom fighters dedicated to extirpating Marxism, in Don's diary, 7

water in particul tits to all the strict and the second strict

Asa Briggs

The policy of the 1960s was right, Lord Briggs tells Judith Judd in the second interview with a leading

drinking habits in America.

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on Oxbridge college jobs

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A Cambridge law doo is to bring tutions other than Oxford and Com-e test cose before on Industrial bridge." Mi: Wallington Is a member of male Oxbridge colleges may deny jobs to women. Mr Peter Wallington, a fellow of Triuity Hell, will take two Com-bridge colleges before a tribunol

1.1.4

NUS accountability 'no threat to autonomy?

CNAA turns down former poly

the Dr

student's degree appeal

by Kasper de Graaf

Sindent milons must remember that they are publicly accountable for the way chey spend their union finals, Sue Slipman, president of the National Union of Sudents, warned last weekend.

In the run-up to the annual con-ference of the NUS, due to take place in the first weekend of December, Ms Slipmon ruised the question of eccountability. Speaking to the polytechnics' policy confer-ence of Lanchester Polytechnic, ence of Lanchester Polytechnic, Coventry, she reminded students that the public accounts commit-tes "as committed to a review of lucome to unitous un the basis of asserting a greater element of accountability over public finance". This, she said, shuild not be seen

as an ettack oil student union outcommy. "Our autonomy does not signify a total freedom: our student union constitutions are nur contract with the public within which we ore given the power to operate on the public's moncy".

She went on to emphosize the intornance of playing o full part in grants policy. The arguments were complex end difficult, and southents needed to win those ergu-ments and huild public support for their case.

by Peter David The Council for National Acedemic Avards has overruled a request by e polytechnic academic board that it should award e degree to a sin-dent who was, it the polytechnic's view, wrongly failed five years ago. The student, Mr Stephen White, took has diploma in ort and design et the Hornsey College of Art in 1972, shortly before it merged with Mindulesex Polytechnic, While ell six of sho internal assessors entred that

of the internal assessors exceed thet he had passed, the external assessor failed him.

In 1974 the Middlesex Polytochnic

Academic Board agreed that Mr White had been unjustly failed. An extensive inquiry headed by the

extensive inquiry meaned by the polytechnic's deputy director. Dr Michael Edwards, found that ithere hed beon irregularities in the assess-ment procedure and that Mr White, a former president of the students'

nlon, should heve been awarded

the procedural dispute centres on the respective roles of the internal and the external ossessors. But according to e letter from the CNAA lest month, the exmination regula-tions et Hornsey were not specific either about the role of the external assessors or who they should have been

The polytechnic's inquiry team

pointed out thet the board of assessors liad considered Mr White's

case without documentation, a " sur-prising " move in view of the dis-

crepancy between the high marks owarded by the internel assessors

and the low assessment inade by the external assessor.

caresman assessor. The team, whose work was ham-pered by the noexploined disap-pearance of Hornsey's essessment records for the year of Mr White's examination, recommended that the CNAA should eward e degree rotrospecilvely under its "unre-solved dispute" procedure.

the procedural dispute centres on

by Peter David

als degree.

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text, roised the pussibility of estab-lishing a join consultative body with the Council for National Academic Areants.

In a heated discussion about autonomy, Mr Andy Strouthous, rhe former student president in the North East London Polytechnic and a member of the minority socialist students' alliance grouping on the NUS executive, maintained that there should be no outside interfer-ones with how students could that ence with how sudents spend their funds. But Mr Pete Ashby, NUS deputy president, conplusized that student prions were governed by the charlty lows. Thus, Mr Ashby said, while

student-related expenditure waa ucceptable, minn finds could not be spend on supporting industrial lisputes. The implication of this view is that in future, students wishing ro join the picket line at disputes such as Grunwick will have to pay for transport out of their own nockets. own nockets.

own pockets. Although the executive line on accountability was defeated at the weekeud conference the polytechnic vote is not regarded as indicative of student feeling. The NIIS execu-tive is hopeful that its position will be carried of the forthcoming ennual conference. conference. The conference is due to be

their case. "We must hight for decision-time in 10 years that a NUS nukers in come duwn on our side ", conference has been addressed by Ms Slipman suld, and in that con-a Secretary of State.

But the CNAA letter challenges

hnd

the polytechnic's view that there was an irresolvable dispute between

the internal and externel assessors, It says that the polytechnic could not "prove conclusively" flut the

correct procedures ignored.

partly due to killing CATs who complained that too many engihy Owen Sturidge

UK's industrial backwardness

neers refused in stay in the fac-tories and proferred university life

rules of thumb and ald rrives toles

that gather round knowledge. With a sound knowledge of mathematics

Criticizing the polytechaics fur over-conceutrotion ou design rather than on practical matters, he said :

"I wonder how many conress there we in what octually happens on the shop floor, and in men manuge-ment, whose problems are very different from those of under-graduates"

Mr Brian Overy, technology regis-trar with the Council for National Acedemic Awards, said the CNAA

was of an age when complacency was a danger and in o position where it could all too easily become concerned moittly with schemes that

could produce pieces of paper.

undergraduete packnge can only be made better by making the courses longer or by putting in more resources. The courses are hying on the intellectual background but

they contot give breadth in the theo avoilable."

Welcoming signs of revival ia part-tione education, ho snid it unw had nearly 7,000 students. What

wurried him was the difficulty of

and physics we con progress."

Ahandonment of the colleges u infranced technology was safe to be a major couse of firitain's industrial barkwardness and failure to com-pete in world markets at a confer-ence arranged by the institution of Merhanizal Engineers in Landor

Mernaniral Engineers in Landon last week. Mr Ronahl F, Morshall of the British Aircroft Curporation, tohi the ronference: "The enileges of olymneed technology were the right misurer, hoth in form and in con-tent, for our indestrial needs. More-tent, for our indestrial needs. Moreover, they were seen to work. But they were never allowed to estub-lish themselves. They were the solution to our problem and we

Hirew the solution oway." There was now only one university nf technology, at Loughborough ; all the rest had been integrated with

"We have gone away from the solution which could have provided us with the answers we need to-day", ho said. Mr Marshull was replying to a speech by Mr Leslie Huckfield, under-secretary of the Department of Industry and MP for Nuneaton, who complained that manufecturing industry was widely misunderstood industry was widely misunderstood oud that the UK stock of engineers was inodequate.

It was concerned about quelity, however: "The three year courses are beginning to be a problem, particularly their up-dating, but the Government attempts to reverse the decline in industry had so far fuiled. Yet without a lively muni-facturing industry the government's social goals could not be achieved. "We want o lot more able people to work in industry. It is essential far wang windo to gain a buttor

for work in industry, it is essential for young people to gain a botter undersamiling of its importance." Mr Huckfield said the advouce of knowledge was now sa fast that nuly foor years clapsed before the new was ont of date. Ile appealed for more continuing critication schemes to keep proctising engi-ueers up to date.

setting to grips with industrialists: "It is a great disappointment to me that so few are ablo to give as much eers up to date. His views oronsed smne apposi- as als, seven or eight days a year fon from the industrikists present, for the purpose."

'Run film register full-time'

by Patricia Santinelli

ignored. The lotter also rejects the aca-demic board view that if the Hornsey assessment board had been properly constituted and the regu-lations correctly followed, Mr White would have passed his degree: "It would appear that Work on the Slade Film History Register should be resumed on a permanent basis os soon as possible there is no evidence to prove con-clusively that had a different pro-

degree: "It would appear that there is no evidence to prove con-clusively that had a different pro-codure been adopted the substantive result would necessarily have been different". Mr John Wilkinson, the polytech-mic's academic registrar, said that the CNAA's ruling was apparently based on the report sent to it by the polytechnic's inquiry toam. The council's letter would not be debated by the academic co-ordination of an appro-priate degree course. But Mr White, now e senior officer of the National and Locel

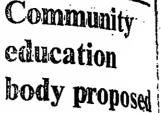
In 1975 the SSRC grant ended and through lack of fuods its octivi-ties were much curtailed and BUFC which by then had acquired the register found it could only afford to run an online service.

year. He added: "Since the day I leard ebout my essessment five years ago I have fought for a pro-per inquiry. When the polytechnic monumily see nue up it chade to run an onquiry service. The working party believes that the originel alm of the register should be upheld but suggests that covorege of television moterials should be included and the regis-ter renamed the National Register

of Film and Television Collections. It recommends that the pork of the remnted boly should be over-soen by a standing udvisary con-talited, composed of oculentics, archivists, illuminas, and represen-tations of commendate areas of film

tativos of conmerclul users of film mul leversion ducuntents, 1-sti-ttuloil costs, including staff salarles, would be arouttil £37,000. The report indicates that the relief should concentrate and re-cording the scale and mojor strengths of all film and television

strengths of all film and telovising collections in Groat Britain, includ-ing those in private builds. And as soon as relovant information hus been eccumulated, u directory of filmt and telovision collections should be produced. In addition, the register abould, wherever possible, collect cupies of oll published cozalagues and dupli-cates of unpublished catalogues of film and videotope collections. It should olso purchase new works of secondary literature in the field and acquire documentation roleting to the productioo of erchive unteriel.



neers refused in stay in the fac-metrics and preferred university life whenever opportunity offered, that must few academics who purparted in cater for the training needs of industry over made any real contact with it, and that the government placed over-more emphasis on research. Mr W. Tippler of the Perkins Engine Company said: "What thes get aut of flate is the collection of rules of thumb and all vives tries inging both governmen and in inging both governmen and in nuthorities to ollocate more sources to community educate it is likely a further confirm will be held, with the possibility seminar's on o regionsi basis late. The uponesal for a product seminars on o regions case ale t The proposal for a working po-come from Mr Bill Taylor, orget ing secretory of the British ke ciation of Settlements, which posored thu seminar in conjuna with Goldsmiths' College, in it ufter the BAS inucched a Bigar Read compuign, the adult ineg schetne was croated.

A theme paper suggested to principal cevelopments to encoup the growth of community educa services: by persuading indivis and groups to express their etc and groups to express their etc tinnol needs; to occept that learn should toke responsibility for and of their own learning; and to resp of their own learning; sou to read nize that learning would out must surly be confined to institution of normal hours. The document also outlined ma

in which the adult education a vice might embraco commonity a cathan principles. These incluthe uppointment of communi-education workers to provide the ing and to encourage participate and arging odult education into tions to widen their existing ho

on. Mr Calin Buill, of the Manpo

Mr Calin Ball, of the Manna Services Commission, described a "hypermarket menuality" with hose in the past surrounded to munify education, "It is seen as something at provided, then packaged, and set display in the hypermerket, and able to those who can get an how it and consume it, and wan neithor intimiduted nor an sioned by its institutional day and practices."

In his paper Mr Sidney lies. Juner Lamiun Education Aubra anif inspector for further educity aluted and that the cost of provident ing services for micontrulied and was far greater than for b "cantive" ondiences attending

SRC satellite stays in orbit

The Science Research Coucil's X-ray estrobony setellite Arial V is to be kept in operation for another year. Launched to October 1974, Ariel V is the titth schuttle satellite in the collaborative space

wherever possible, collect cupies or oll published cosligues and dupli-cates of unpublished catalogues of film and videotone collections. It should olso purchase new works of secondery litereture in the field and acquire documentation roleting to the produciloo of erchive moteriel. These holdings should bo made evoilablo for consultation the any bona fide researcher subject to normol reference library restric-tions.

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\$100,000 grant for Belfast

Medical Bill is limited

The Medicel Bill published in this session of Parliement is lioited. It reconstituted the General Medi-cel Council but does not implement the educetional proposels of tha 1975 Merrison committee, which would give the GMC control over postgraduate medical training and allow it to take a more liberal view of undergraduate medicel educa-tion.

educational recurrended ras. How- nominated by universides and the ever, he told the House of Communs Royal Colleges.

But Mr White, now e senior officer of the National and Locel Government Officers' Association, sald thet it would be totally imprec-ticable for him to repeat a final

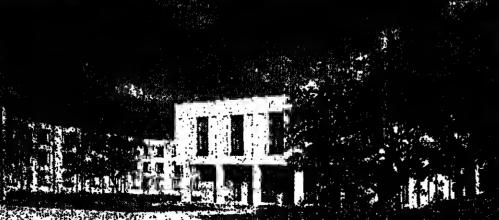
eventually set mue up it made exhaustive investigations and vindi-cated me. Now the CNAA oppears to have rejected my rase outright without chaducting any investigo-tions of its own. To offer me an opportunity in research offer me an

opportunity in repeat a course-which both the polytechnic and I believe I passed in 1972 is just

tinn. Last July Mr David Ennals, the by the medical profession. Its edu-secretary of State for Social Ser-vices, aonounced that the Gavern-ment hed accepted the committee's maintee with a majority of members



Wolfson College, Combridge, completed at a cost of £1.5m, was officially opened last week by Her Bajety the Queen ood the Duke of Edinburgh in bis copacity of Chancellor of the university and college Vision



IBI

two years.

hy Sue Reid

THE TIMES HIGHER EDUCATION SUPPLEMENT 18.D.27

Buying power 'cut 4 per cent' Dr Tolley urges national come has been cut by 22 per cent. In addition to the t ter cent cut admitted by the Government terminet accommoda-tion outil the anoma needed from williams, will mean that the 178 79 to 2.5 per cent. This, argue. Professor Williams, will mean that the 149 to 149 to 150 to 1

the purchasing power of uni-The purchasing power in min-resides' recurrent income is being reduced by nearly 4 per cent nure than the taivernment has admitted, according in Professor Alwyn Williams, principal of Glasgow Uni-

rersite. In the latest edition of the uni-versity's neusletter, Professor Wil-lions rhallenges the Secretary of State for Education's statement that the cot in recurrent income that the cot in recurrent income would amount to 2 per cent over

two years. He says: "Ignoring puy increases, our culculations show that the Gov-ernment estimate of inflation for the university fiscal year starting last August 1 is 3 per cent too This shortfall end the solury

increments which have not been taken into account oneans that the purchasing power of recorrent in-

Applications from overseas up by half

Dyurseas applications for university Overseas applications for university places next year are still rising rapidly, according to new figures released this wock by the Uni-resides Central Council on Ad-missions, By the beginning of this month opplications from sbrood hall locraosed 45 per cent over lust year. The UCCA now easys that the total number of home and oversees candi-dates may reach 159,000-5,000 more than lost year, although this increase will not be distributed evenly among subjects.

increase will not be distributed evenly among subjects. There has been a 20 per cent increase in explications to civil, electrical, mechanical and general cogineering courses which inve tisen by 12 per cent as a proportion of the total opplications. Mathematics, nucdicinc, veterinary studies, chentistry and accountoncy courses ore also proving moro populor than in Ocither last year. Applications in these oreas have risen by four per cent.

However, sociality conditions and

as a proportion of the totul applias a proportion or the total appli-calloos. Applicants tu geogrophy, history, law, orchitecture outd ori tourses have reinfolded steady but, as a percontage of the total opply-ing, have fullen by ntore than 8 per cent.

Home applications are up by 5 per cent from 46,282, last year to 48,607 this year. Overall there has been an increase he opplications of more that 7 iter cout compared with 1976.

Royal Society appointments

Britain's need to create more appor-tunites for younger acteutists with outstanding promise has been recog-oized by the Royal Society in two ewappointments to research pro-

Dr Richard Gardner, lecturar lu development and reproduction in the department of zoology, Univer-sily of Oxford, becomes Henry Dele resarch professor and Dr Alen Fershi of the Medical Rescorch Quircil Laborator laboratory of molecular Cambridge, becomes Wolf-

The Ford Foundation has given Queeo's University, Belfest, e grant of \$100,000 to support a multi-die-ciplicary, inter-university research programme in the social sciences.

inter younger research workers study io Britain and the United

In other words, there will be no real growth until 1930-81. Instead representing a cor of two per cent over two years, the true cut is rericd into a deficit arround of 5.7 per cent over the same ubout £1.30,000." period

have to trint recurrent commitments this year to be able to live within next year's income."

Williams, will mean that the 1.4 own records of part of 11 of the per cent increase in purchasing unallocated surplus of £370,000 will puwer proposed by the Government he required. Indeed, eren if pay fur 1979-80 will be cancelled nm. Chancellor Healer's modest fair a paroach Chancellor Healer's modest fair of 10 per cent, our budget for the pre-sent session will be formediately con-

lle finds ominous the reference by Mrs Willions to the difficulty of "In the circuotstonces, there is in alternative to contiouing our economics ond the only question remaining is : by how much do we dispusal. The reference was made in o letter to Sir Alexander John ston, of the University Authorities Ponel.

the future of part-time education has been made by the Reverend Itr George Tolley, the principal of George Tolley, the principal of Sheffield City Polytechoic, I comes in his annual report for 1976-77 where he also attacks similant militancy and eslis what role pulytechnics should play in the

"An importy would concern itself with objectives and reaching methods as well as seeking to establish the place of part-time education within higher education generally ",

te says. Within his own Institution parttime courses reptain "an area of concern ". Many are very expensive in staffing and other resources be-cause of fow monibers and a great deal of effort is necessary to sustain them.

"Nationolly, we remain without o pullcy, upart from vigue exharts-tions implying that part-time courses are o good (hing."

and disruption, especially when such activities cummonly affect those who support the students' claims."

fee changes Department of Education and

Science plous to chonge the present fees system at Oxfard and Cam-beilge would undermine the col-leges' freedom oral damago thene educationally, according to the latest edition of the Cambridge Re-

latest edition of the Composing New, In its anonymous leeding article it warns egainst the proposals which seek fixed sums for fees Oxbridgo colleges charge. At the moment there is no upper little and a col-lege need not esk itself where the onney is coming from when it fixes the number of supervisions or tutorials. The fees ore automotic-olly paid by centrol and locul enthorities. Discussions with the DES began after the Government announced

Discussions with the DES began after the Government announced that oll university tuition fees should be paid untonnuically. No decision hes yot been taken about whether Oxbridge college fees should also he paid autamatically. The Review sees the proposed tightening up as a threat to the colleges' independence and in the supervision and tutorial system which is the connerstone of uni-versity teaching.

versity teaching. There is even n possibility, it snys, remote but not out of sight, that undergraduates would have to nect a proportion of fees then selves.

selves. It might then be necessary to restore the volue of scholarships and exbibitions to help able other dents to come to Cambridge, "Wo might oven hove the face a portfal (ond, one hopes, temporary) return to the provious sharp difference in investmental standard renit. The AUT in Scotland, nn the other haod, takes the view that the council should be concernal "with relationships between those Institutions which ore wholly or miscly involved in bigher educa-tiese institutions and other parts the enucation system".

Students should "justify by mature and reasoned action and leadership the considerable res-ponsibilities and freedoms they Looking forward to the 1980. Dr

Looking forward to the 1980, Dr Tolley asked what Lind of distinc-tive, alternative form of higher edo-cation the polytechnics could offer to that provided by the anirersities. That they should have been ac-cosed of aping the universities was not surprising, he said, since their big expansion had been in degree courses in which they were required to achieve the same standards. Although Sheffield not polytech-nics in general had achieved some

Although Sheffield not polytech-nics in general had achiered some successful innovations, they had not nurfieldy opened up the market fur higher enheation, established supe-rior teaching studards, or made as such impact as might have been expected in research and postgradu-nte work. nte work. "It would seen neressary, or we

Autionolly, and paint from voge-ands implying that part-tom-courses are o good thing." Referring to a student occupation of Sheffeld's education department offices earlier in the year in pro-test aver thition fee increases, he said that this method of action set a new mid dangerous precedent. The high time that elements the high time that elements the course of the bis exploration same way must surely be found of breaking though the two A lerel barrior, which stutifies so moch thinking. Most of all, perhups, we should give two careful consideration in post

interconstruction to posi-ilvoly discriminating in fuvour of lhuse whose uppartunities for entry intu higher education have been inudequate."

'not easy'

Britoin should not expect to achiere

Britoin should not expect to achiere a perfect balance between graduate stupply and the demands of the jub morket, the principal of the Univer-sity of Glasgaw told graduating stu-dents last week. Students, said Professor Alwyn Williams, were "ofter all" human beings who chonged coreers, fell ill and even felled examinations. "These and ather unpredictable events, like the varying state of the national counter. national contomy, are bound in offect the supply of both students at₁ vocancies".

Climy the case of a foreign clu-cationist who recently risined that the professional aceds of his contary were exactly satisfied by the gruinote on out from its uni-versities, ho sold that one could only assume that the number of degrees awarded was menipulated to match the number of jobs evall

In the last resort it was import-ant in "uphold the student's right to mursue courses of his ar her choice inther thun vary acodemic standerds according to the evalla bility of jobs.

Closer industrial

links proposed

Universities must share the respon-sibility for Britmin's failure to ex-ploit fully the industrial develop-mont potential of fundomentol re-sourch, the vice-choncellor of Herion-Watt University said in Aberdeen-

skire last week. Professor George Bornett, prin-cipol speaker et the Rowest Re-

bill and the bolice instructions and other parts
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"bet a force and round for the coule of higher education with a some way in which the origiool devolution While Peper
the destrobility of setting up a
"bet a force of problems effecting the fuctorial ment of parts of the parts."

Chart at the social ment is to be a foroun for the fuctorial model in the social device of the parts of the post-school system.—TESS.

A series of five sculptures nomed Asion Cross and made by John Moloc were unvelled of Asion University last week. They are in the form of the Southern Cross.

Scots divided over council to control tertiary sectors

establishments. They are, therefore, at adds with the Association of University Tea-chers in Scotland who finally agreed on Seturdey to a council for higher education which world include anly the universities and colleges of education and all institutions ron-ning degree or degree-equivatent courses. The single point of agree-ment is that their proposals simuli be implomented whether o Scottish assembly is established or not. The central institutions suggest

The central institutions suggest dust "any attempt to restrict the functions of the new machinery to the field of higher education would inevitebly lead to o consinuation of the present unsatisfactory state of plecemest plonning and inadequate o-ordination.

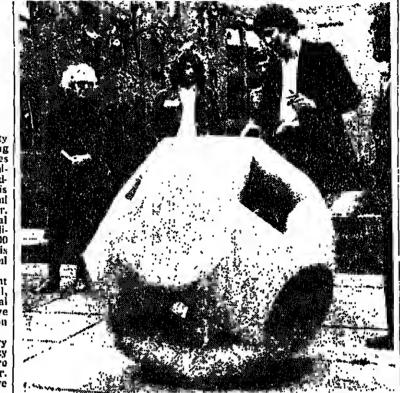
A netional body covering the whole of post-school education and whole of post-sciool education and eventually assuming executive powers was urgently required to stop the damaging educational end economic consequences which resul-ted from the present frogmented responsibilities for tentary educo-

Ine. Ford Foundation has given in the sound state of \$100,000 to support a multi-die of \$100,000 to support a mu

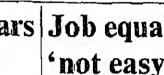
In the longer term, the comolities envisinges the council being given axecutive powers and operating in relation to tertlary education in much the same way as the Univor-sity Grants Comolities relates to the universities.

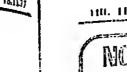
The Committee of Principles and Directors of the Scottish centrol Institutions has proposed o council for terdery education to include the universities, contral institutions, colleges of education, further educa-tion colleges, and edult education establishments. should not be appointed by the very lorge number of organizations in-volved in tertiary education but should instead be nominated by tho Secretary of State according to his judgment of the contributions which they would make as individuals. The chairment should be the Secretary of the Scattish Education Depart-ment, which should be provide the ment, which should elso provide the secretoriet.

The council's sub-coundinees should advise the parent budy m groups of the "cognote discipline oreos" which would form substan-tiel perts of the council's overall



Oxbridge fears Job equation





Black and white choice not so easy

by Clive Cookson

cience currespondent

and the second sec

The simplest and most effective

The simplest and most effective method of disguising a European face is to put on o will as criminals know well. For Africons, however, it is not so simple. Studies of Aberdeen Univershy psychology department have shown that hair is much the most impor-tant feature Europeans use to ideo-tify faces. No single aspect of the African face is so duminaut. African face is so duminant.

Arrican face is so duminant. Three lecturors from the deport-ment, Dr H. D. Ellis, Dr G. M. Davies and Mr J. W. Shepherd, told the recent British Association meet-ing st Aston how they were trying to discover what is meant by simi-larity among faces ond what fea-tures people ottend to when looking of them. Where they eached 40 subjects to

First they asked 40 subjects to look st verious faces and write a description of each. The responses showed that more attention is paid to upper than lower face features.

to upper than lower face realities. Hair was mentioned 1,100 times, foilowed by cyes 1600). Eycbrows scored 420 mentions. In the "lower face" the nose rated 520, out the mouth 480, but chin, 380, cars, 200, sud checks, 50, were less significant. Descriptions of white and black faces by African subjects showed s completely different pattern. Hsir

Noise may be used to fight noise

by Judith Judd

by Judith Judd Meano of reducing the noise heard by crew in high-performance eli-craft have been devised by re-scorchers of Southempton Univer-sity. The researchers' discoveries mean that direrew and people who work in other noisy places may be able to protect themselves from noise by wearing cardofouders. The principle underlying the re-sourch to in create a second source of sound exoctly like the offending noise by wearing cardofouders. The principle underlying the re-sourch to in create a second source of sound exoctly like the offending noise but out of phose with it. The two sound waves then collidu and cancel such their nut. Two industriol ensultonery groups in the university'o department of electronics mid the Instituto of Sound and Vibration rescorch have worked together to develop the system, which is based on this "anti-sound" principle. The "ective noisn reduction " sys-tem has been produced under con-trect to the Miulstry of Defence end works by incorporeting a miniature microphone in the pilot's haed-set.

works by incorporating a miniature microphone in the pliot's hard-set. It feeds back o signel to his com-municatione telephona which then generates the sound wove which can-

cels the noise. Without reducing the effective-ness of the communications signal,

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The Aberdeen teom also analysed, by means of the nurthenanical tech-nique of multidimensional scoling, groups of faces classified os physi-cally similar by the subjects. They found that the most important fea-turos used to judge similarity were length and style of hair, general shape of the face and its apparem age.

"Studies of this kind muy give us "Similes of his kind may give is an indication of the features which about bo taken into account in selecting people as standins for identity parades. They may also pro-vide some clues for the development of police photographic record systems", they say.

In another test of rsciel differan another test of rector affect ences, the psychologists carried out en experiment in Scatland and Rhodesia using white and black sub-jects, who were shown sets of white and black faces sud asked to idenand black faces sud asked to tify them from ather faces.

European subjects were superior at recognizing white foces, while for Africans the position was reversed. But abhough the recognition scores

REPEARCI

for criminal detection in any suci-ety composed of heterogeneous races is quite clear. Although our experiment invulved subjects from quite distinct cultures, similor re-sults have been obtained in the USA which underline the difficul-ties people of one race have in reliably recugaizing members of monther, even when the apportunity

factor. Recognition scores improved ibranatically os the viewing time increased from a quarter of a second to four seconds. But, curi-ously, faces that had been studied for u given period were identified as successfully three or four weeks inter as after a minute. Perform-ance does begin to deteriorate when the interval exceeds o month or su.

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Majority of students 'not anti-Zionist' scribel themselves of very w

by Peter David

The space of ami-Zionist result-tions passed recently by students' isin and Juduisn was significant unitims does not reflect the vlews of uost, according to research car-ried out in May and Juno by a pollules student at Brunei uni-morsity.

sults have been obtained in the USA which underline the difficul-ries neonic of one race have in the difficul-reliably recursing members of mother, even when the opportunity for experiencing such faces is quite good", the lecturers said. They also carried out experi-ments to discover how recognition varies which the length of thue a students of those surveyed either diapses before he is required that the former is the criticol factor. More significant, in view of the claim of those surveyed the claim of the surgest that the former is the criticol factor.

unce interest shown the greaters nore interest shown the greaters wossibility of studeots being mi-Isrnel—might possibly indicate the the claim of those oppose p Zionism, that they do difference between Zionism ond Judaim ad ure therefore not anti-semile, has More significant, in view of the More significant, in view of the forthcoming National Union of Stu-dents debate on barring Zhonist societies, more than three quarters of those interviewed—77.5 per cent —were opposed to banning olther pro-Zionist or prn-Arab speakers. A further 14 per cent hud no view, and only 8.5 per cent nsked that supporters of one side we the other should be denied a planform. Of those, however, three times as many attaling questions, and want to de-cuss these issues in a setting of me specific quality or the den-cratic tradition. This is also as of the specific issue of the Midde Rest except that the high degred interest is tempered by a seeming long level of knowledge about the issue as shown by the high number of 'don't knows?" ilinse, however, three times as numy would ban pro-israeli speakers anly as would ban pro-Arah speakers

only. The survey also tackled are of the key issues in the student de-bate over Zionism—the estent to which Zioulsm and Judaism are regorded as separate issues: 66.5 per cent "did unt knuw", 211 per cent regarded the two issues as separate and 13.5 per cent helleved they were not separate. But among respondents who de-

Shop stewards role examined

hy Maggie Richards

The role and functions of the trades Maderic Janguaga teachers 1 and an shap steward are to he exami-laed by Professor Bernard Journing their stadems' attention, whe of the department of adalt educa- English teachers are parliculat tion at Hull University. He has good at thinking and product been nivarded a research grant of thought-provoking questions. £12,000 by Reckitl and Coleman Limited (Charitles Ald Fnundation) for an industrial relations project. The nim will be to discover the

science, maths, English and bisory factors which prompt workers to toke office es shop stewards and o recently published book Invertige to retain the position, and their reasons for abandoning the role.

tions of Microtenching. The project will also examine the effectiveness of the slop steward and the extent to which this is rola-ted to internal plunt feetness and the external general ecunomic and political environment. Leverhulme Trust and the unit sity ut o cust of £35,000, 100k per heiween 1969-1975. The un d microteaching methods invited

villeatnping 500 student teacheri while undergoing tesching predict. union representatives will be sought on fectors which help the shop stoward to do an effective job. Their performance was the reviewed by the students in co-junction with their tutors.

The building of seabed houses to process of and gas property estabilistic conducting reproject of the newly establistic conducting reproject of the new establistic conduction of the new establistic conducting reproject of the new establistic conduction of the new establ .] Ileim, £8.95,



University lecturers fight higher retirement age

In fact necessarily true and e

raise the worrying spectre of m Zionism becoming e 'respectable front fur anti-semitism."

The survey concludes : " Stude generally are interested in fere affairs questions, and weat to d

The anti-Israel resolutions pe

in some students' unions are be intruduced, adds Mr Salasnik,

"graup win are uprepresent

Focus on keeping

students' attention

This is one of the fladings

research and expariments la mic

teaching carried out among sh

dent teachers in modern languages,

ut Stirling University, described is

The research, funded by

by Patricht Santinelli

he lost "

The system has already been tested extensively in the laboratory at noise laveled of up to 120 decibels and la new being tested in flight by the Royal Aircraft Establishment Farnborough. Jobs widen work on Tay

tho system reduces the intensity of noiso by 20 timeo bayond that achieved by tho facatset itsolf. It is especially offective et lower frequencies where conventional cquipment offers least protection. The system has already been

The development programme has heen led by Dr A. P. Dorey, of the department of electronics and Mr P. D. Wheeler, of the Wolfson Unit for Noise and Vibration Control.

Opinions of manogement and

The project will also examine the influence of troining on the chility to fulfill the function, end its effect oo tha rate of turnover.

The project was conceived withle o frumework of curriculum develop mean, with investigations being per durited in a practical of practical

Sea-bed houses to process oil

The building of sea-bed houses to process oil and gas before it is bined ashme will be measured. Dundee University conductiog re-bined ashme will be measured. Using proven techniques ond equip-ment, profiles from the river bed

Roar of the Jaguar could be muted,

and cyes were rarely mentioned and the emphasis was shifted more therards the lower foce. "Thus it seems we learn to attend to the feasures which are useful cass for discriminating among the faces we uarmally encounter." The huplication of these results for criminal detection in any suci-ety continued detection in any suci-

HIL TIMES DIGDER EDVALUATION AND A DISC.



Tha Timss Higher Education Supplement (London) Tel.: [202] 636 6765

Room 541 Washington DC

The House of Representatives passed a Bill sante time ago for-bidding comployers to force em-ployees to retire untenationally at the age of 65. This worried univer-sity authorities, who sold that if all venior professors wore allowed in cominue in their jobs must they were 70, university salary costs would rise stoeply, the number of academic vacancies would fall, and a whole generation of scholars will

The American Council on Educathe American counted a campaign to persuade the Source to make a special exception for university teachers when the Bill was presen-ied to the Scuste. The Scutte agreed the universities could continue to insist ou rotirement at 65-but the Sconte representativos at the joint conference of both Houses to recon-tit the two Bills do not seem tu be lasisting on keeping this ex-ception in the final Bill.

The question is of considerable importance in universities, and has became a very scusitive issue. The American Association of University Professors strongly supports the American Association of University Professors strongly supports the right of older teachers to continue working until they aru 70, and sent a telegram to the Houso of Repre-sentatives declaring that o distinc-tion in a federal low forcing the represent of a tunned scholur flee years before that of any other com-petent person was "profoundly

percent person was "profinandly reprignant". But universities take on opposito view, and look with alurni on the probable outcome. Dr John Kémeny, President of Dartuiouth College, write to the New York Times recently suying that if the redreincot age was extouded, the Michaelowment rate for PhDs would uncuployment vato for PhDs would "skyrocket". Even more uufulr, he faid, would be the impact of the law on current non-tonured tea-

University teachers are fighting a reargoard oction to preven Con-gress outking them a special excep-tion in a Bill ruishing the mandatory retirement age from 65 to 70. And the signs are that they will succeed. The House of Representatives pussed a Bill sante time ago for-biddim a comburget to force and

Monachile a dew notinuel survey slines that if Congress does raise the maid if Congress does raise the maid atory refrement age, a significant number of cullege and indersity reachers would revise their referement plans. But of times a naw aged 55 to 62, it is the teachers of the highest scholarly straining out performance who most would but reference

The survey, published in the Chronicle of Higher Education last week, was conducted by Professors Carl Ladd and David Palmer of the University of Connecticut, and Pro-fessor Seymour Martin Lipset of Stunford University.

rid of inandetory rotirement age yould probably have a "substan-tial" impact, the three professors found that "large pumbers of feenily indicate of least e tentative

attraction to early retirement incen-tives". Two-thirds of all academics, for example, would consider rotiring carllor than proviously planned if they were assured pension benefits equal to those at mandatory retire-ment acc.

istructure in the second in the sec

teaching. In exchange, an equal those new aged 50 or 54 plan to number of pronising young faculty retire at 67 or later. But this rises members would be permanontly to 18 per cent in the 55 to 59-yeor-drivén out of the profession. He thought this e poor exchange. cent of theore aged 60 to 64.

lute retwoment.

Stunford University. It is emphatically not the "dend-wood" who wish to cotire late, they say. Whether measured by jotal publications, recent publications, commitment to teaching vis-u-ris research, rescarch funding, or oco-dende staturo af their institution, "we find an exceptionally strong association between a vigorous re-search commitment and a commit-ment to late retirement". Among teachers aged 55 lo 62 in America's top universities, 36 per cent plun to relive at the age af 67 or later. This compares with any 9 per cent wanting to work that long at the lowost ther institu-tions.

tions, While legislation to raise or get

' Dilemma of brilliant doctor with bedside manner problem

has been asked to rule on the sen-strive using of who should have the channe to attend medical school the gateway to Anterira's profession sonal effic.

tast month the route deale in the hundmark Babbe rase with the question of admissions. This monththe issue is cather different lan no less significant-can a student ke ejected from medical school because he or she does not conform to the popular image of a doctor?

Claire Horowitz was a New York lewish student with a brilliam academic record who was expelled frum the University of Missuuri ut Kausas because the university decided she would not make a suitable doctor, and a few weeks before she would have completed her course she was asked to leave.

Miss Horowitz suys she is the cicthe of discrimination on the basis of sox, religion, geographic origin, physical uppearance and perappearance and sonality,

She claims that the university violated the providenth Amendation to the Constitution, which forbids the deprivation of "life, liberty un property without due process of law". Her cose has been vigorausly supported by women's movements around the country, who testified to the court on her behalf.

Officials of the medical school deny oli charges of blas, bot in a lower court Miss Horowitz won her lower court Miss Horowitz won her cose. The school appealed, believing the decision an infringement of the right of academic institutions to judge the qualifications of studeots. There is concern that a Supreme Caurt decision ognisst the school could oct in motion demands by students diroughout the country who feel oggeleved, and thus diminish the nutborily of graduato schools.

The numerity of graduate schutts. There is no question flut Miss lfarowitz was bright. She was alder-duo most students when sho opplied to Missouri, and already hed a bachelou's degree from Barnord Callego end o master'o io psychology from Columbia Univorsity. At the end of her first year ber tutor said sho had the best past record in the school, and hor examination scores were unong the highest.

For the second time in a month — But there is also morphysical that the Parted States Supreme Form — do did not have the expected bed-has been aded to tub, on the second of diations. Contra papers have distribution of the astronomy papers invo-distributive and overweight". Even before she entered the University of Missauri, the admissions raticer

noted that her personal appearance was agalust her, she had a slight speech impediment, and "I don't believe she fits om programme". Her first two years at the unicersity were fraught with charges and connercharges. The medical school said she lacked rapport white parietts, and dal not around to pre-

sonal hygiente. At the end of her first year her inter wrote to the chairman of the council on evaluation: "By good or bad formate [sho] is a New York jewess and perhaps her hypercriti-cality and tendency to comploin can be attributed to her heritage. Her warded by her here here a more personal hohirs may leave some-thing to be desired by most people. She also hus the udded burden of being a female with an 1Q uccom-plishment runs far in her career superior to most males who are her

superiors by pusition." Her tutur recommended that she Her tutur recommended that she be advanced to the sixth-year level of study. But less than a month-later she cans advised by the dean that she had been placed on pro-bation. And in December 1972 the committee an evaluation decided not to grant her a degree in the simuler unless they found improve-ment. She was allowed to defend hersolf bofure e tribunal of pbysi-cious who did not knaw her, but was nevertheless expelled.

she has ance been unable to get a proper job, being told she was either overqualified or unanitable. She claims that the emntional stress of hor long legal fight—net the first in her acudemic career—ins pro-voked two endnerine diseases only a heart silment.

Spesking of the case to The New York Tunes, Dr Escelle Ramey, s formor president of the Association of Women in Science and Professor of Physiology at the Geargetown University Msdics1 School, said :

Senate vote rouses medical school anger

The Senare has virted to repeat a controversial clause in last year's legislation due denies Federal Gov-ernment funds in Autorica's medical schools unless they admin many American students who began their multical admention student. Their medical education almoad. The measure has been bitterly opposed by the idealical schools, and must nf the lending institutions have announced their intention to defy the law as it is.

The House of Representatives, however, has ented to moslify the current law only slightly, and the matter will therefore have to be resolved at a conference with repre-

seniatives from both Houses, Senator Mathias, from Maryland, why sponsored the repeal measure, said medical schools had been asked to reliaquish one of the most cherished aspects of anademic free-dom: the right to decide their nam admission standards.

Admission standards. Unless the schools agree to occept as transfer students Americans who have done their first two years? work oversens, they lose up to \$2,000 a head in capitation grants. Thu legislation was intended in in-crease the class size of American medicul schools, generally con-sidered superior in foreign schools. Since upst Americans who train abroad return to matches in the abroad return to practise in the United Stures, it was thought they should receive a better education hcre.

This year a thial of 839 Ameri-can medical students who studied ubroad qualified for the programme. Meanwhile a study published host month in the distinguished New England Journal of Medicine found that America and allow destroy who

England Journal of Medicine found thot Amorica and allen doctors who graduated from foroign medical schools and then trained in Ameri-can hospitals did fur worse on certification tests than the doctors who graduated from Americaa medi-cal schools.

tornor president of the Association of Women in Science and Professor of Physiology at the Geargetown Uoiversity Msdiesi School, sold: "Sho is en extraordiaorlly bril-liant studont. The trsgedy of a woaton of this kind is that if she's not physicolly attroctive but is oui-stondingly bright, society punishes her. Her appoarance creatos a nega-tive attitudo toward hor in others, and she responds with protoctivo begativism." Cal schools. The new study covered 2,620 graduateo of foreign medical schools who took the test in 1975 and 1976 and 6,665 groduoteo of American and Cauedian schools who took tho test in the same years. In 1976, just 30 per cent of the 1,302 American medical schools passed tho speciality cont of the 3,528 graduates of American mudical schools passed.

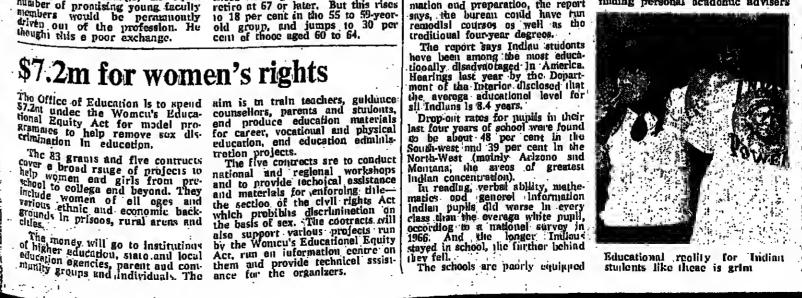
Indian affairs bureau castigated

One of the sorry stories of America is the history of the Anoricou Indians, and one of the sorriest groups lu Accerican higher educa-tico is the Indians. They have a 90 per ceut drop-out rate at uni-versity; more than helf these who enroll do not return efter their first year; and both their grade averages and acadeanic performance ara substantially below those of other students lu colloges end univer-slitas.

nation sudgens. Will better indu-nation end preparation, the report says, the burean could have run remodisi courses os well as the treditional four-year degrees.

treditioual four-year degrees. The report says Indiau students heve been among the nost educa-tiocally disadvaolaged in America. Hearings last year by the Dopart-mont of the Interior disclosed that the averega aducationel level for sil Indians is 8.4 years.

and staffed, the pupilo lack con-fidence, and the Indians had o nega-tivo image of themselves, occording to bureau officials. In addition, parents and tribal officiols did not emphasise the velue of going to college, and there were strong pressures from peers not to do so. Anather real handleap is the cul-ture shock axperienced by Indians t thrust suddenly into a campus. Indian counsellors report that stu-dents have greet difficulty in mak-ing the transition from a largely non-compotitive rural environment



for students getting gronts, and running workshops to familiarize collego facultics with Indian culturo.

Arrauging trips to college so that Indian ochool pupi's can see what collago is like.

Finding out why Indian students do not return to colloge and passing nu this information to burceu eud college officieds.
 Advising Indian etndouts bow to

get fattoring and counselling, and discussing their needs with collogn afficials.

• Identifying possible corcers for Iudians, both on and off the reservations,

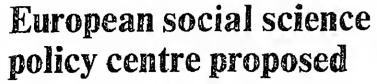
The report said no counselfors wore providing all these services, and nost were performing less than half of them.

The main problem with the Bureau of Judian Affairs (which finding personal acadomic advisers most inelfoctive of all government often been cited as one of the most ineffective of all government agenclos) is that it does not have enough staff to do its job. In 1970 ivitem about 4,300 Indian students took part in the higher education gront programoe, the typical BIA office had one higher education specialist entities the typical BIA office had one higher education specialist entities the typical BIA office had one higher education specialist entities the typical BIA office had one higher education specialist entities for Indian Affairs spends about \$33m a year to provide higher education opportunities for Indian students, yet says the renort, "It knows little about the educe-tioned institutions that Indian stu-dents estend or obout the students"

deuts orient of or obout the students preparation for or performance in college". Beenuso of its lock of proper information, the BIA also could not suggest supportive ser-vices of posisecondary cducation programmes that would give indians n better ohance of furthering their education

educetion The hurouu wes shown a copy of the report, and spreed with mose. of the suggestions, the General Accounting Office suid.

\$7.2m for women's rights The Office of Education is to spend s7.2nt under the Womcu's Educa-tional Equity Act for model pro-grammers to help remove sex dis-trimination in educetion.



from David Dickson

STRASBOURG The European Science Foundation could usefully coordinate the efforts of social scientists towards estubishing o European centre for policy smilles, uccording to the report of un ad hoc committee.

The committee, which was set up two years are under the chairman-ship of Professor Ralf Dahrendorf, director of the Loudon Schoel of Ecenomics, has been concerned with ways in which the situation of social sciences in Europs can be improved through international co-

In its repert, prescuted to the snouul assembly of the foundation in Strasbourg two weeka ogo, the consulttee says that it found alrong support for the view that there was need for a centra which attracted those who struddled the worlds of schelurship and decision-making.

Such a coutre, it was felt, should be directed towards European rather than purely national goals. The committee points out that there ore already nstlowni institutes geared to this objective, as well as specialist institutions such as as specialist institutions such as the International Institute for Systems Analysis

that European Science Foundation could well serve o useful function in coordinating efferts in this area and safeguardlug their scholarly quality", the report olds.

Frufessor Dabrendorf teld a press conference that the ESF would watch closely the activities of the Ford Foundation, which is lolding a meeting in France shortly to discuss the establishmenr of some form of European centre for

policy studies, lie said that, unlike ad hoe consultees which had been act up by the ESF to suggest research principies in the natural sciences, the social sciences had not so far cenched a stage at which it was possible to de this.

"The muin issue for the social sciences is the development of an effective scientific community, and the proposols which we have made therefeto concentrale on the requirements fee creating such a community", Professor Dalarendorf sald,

In particular, the constitue had recommended that the foundation establish a standing committee of the social sciences. This recommen-thation was accepted by the assembly Denmark

lie 1990s.

the final was accepted by the assembly thering its Strusboarg meeting, Annog the problems resulting from the lack of a scientific commu-nity was that jodgments of quality were hard to come by, said the at how committee report. Further, where there was uncertainty about cointifie dividuals is tree different scientific disciplines, it was difficult to organize traloing in a mouner which was recognized as adequate, both in the context of the university and across orgional benndaries. Acother petential threat to social

sciences in Europe, says that com-mittee, was that international con-tacts annng social scientists had been decreasing in celutive terms for soma time. The cause could be domestic

career pressuce, the growth of immediately available, national pra-fessional organizations or the con-tinuing problem of language in disciplines which were more depenent on language than the notural sciences.

Another fuctor might he the sir of "randomaess" resulting from the absence of a scientific com-Ine plan will emphasize the Interdependence of education ond other forms ef social plonning in seeking to answer what can ond should be done to equip the next generation af pupils and students to meet the chonging demands of ledure, family, working and community. But whenever the cause, the committee warns that there is reol dauger of re-nationalization

in the social sciences". Among the recommendations of the committee were that the ESF Compile an inventory of centres

of research and training in the social sciences in Europe; • take a lead in estublishing networks of data on research findings and collect information about theso establish a fund of "seed-maney

asked to think in national research programmes ; support social science journals nf

Consider creating a major prizo for uchiovement in the social of 'self-help'

for ucmoveneen sciencea; • set up o working party on ad-vanced training in the social sei-ences with a ricw to printoling systematically "transmitianal"

The recommendations are now being considered by the standing committee set an by the assembly af the ESF.

New Zealand

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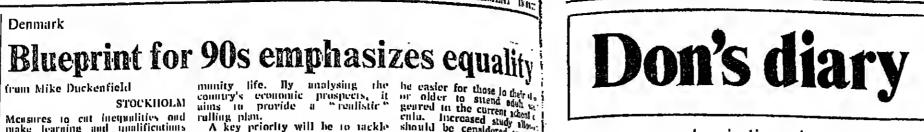
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Pleasure and pain at



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Auckland launches move to boost Maori numbers

from Lindsay Wright

cational oppartunities and socio-economic status in New Zealand society as a whole. WELLINGTON former football shed, now used A former football shed, now used as a store, and o surrounding car-park at Auckland University may shortly become the first compus nurae in New Zealand. The maroc, the traditional meet-ing-place in any Maori community, and tha place whece visiting Maori groups are formally welcoated, com-sista of both a meeting-housa and open space, and is central to Maori community life. Auckland'a proposal is not an attempt to preserve the post-but Statistica far the state Depart-

Statistica for the since Depart-ment of Educotion show that there were 13,500 Maori secondary school pupila in state schools in New Zca-land's northern caglon in 1975, and a further 1,500 secondary pupils in publicate schools.

a further 1,500 secondary pupils in private schools. Auckland University's committee suggests that if o 28.2 per cent pass rate in the university entrance or higher axominotions were to be the norm foc Moori as for non-Maoci school-leavers, there should have been 3,807 Maori pupils with such qualifications at the end of 1975. There ware, in fact, 258. Again if over one-half of the

whist English and Altrichans-langnage interstics have been furced to raise undergraduate fees --sonte by up in 45 per cent. Increased operating custs have been clied us the min reason. The large deficits which have accumu-Although the university of the board its income by 25000 (f 170,000) it will still be fast it is in reduce a 300,000 rand & The biggest increase case University of Preioria, where large deficits which have accumu-inted since universides first can into finuncial difficulties in 1974, as well as the gaveroment's reluc-tance to increase naiversity grants, are the other reasons.

Must English and Afrikaans-

CAPE TOWN

Italy

negion, where over, 45 per cert is too Auckiand Agam, if over one-half of the pressure to install a system of tags the pressure to install a system and tags the pres

munity life. By unalysing the he casier for those lo ther as commery's economic prospects, it or older to sitend educe to aims to provide a "realistic" genred in the constant of the

connury's economic prospects, it or order to sitend edul variations to provide a "realistic" genred in the current ideal of the current Measures to cut inequalities and make learning and qualifications inequality relevant are to form the backbone of a comprehensive plan for franish education aver the backbone of a comprehensive plan for franish education aver the backbone of a comprehensive free, other " c by the individualse endities of the backbone of a comprehensive plan for franish education aver the backbone of a comprehensive free, other " c by the individualse endits to be the individualse endits of the backbone for " education" [, non, The rep free, other "custs" have to be met by the individual and this has Inverse, the cost is: would demand limits or 2 Other problems would include to recruit those most is and tuittion, the potential of rate, iffected recruiment to upper secondary, higher out while educa-tion. The report will book at the value of study os a career lurestorent, and whether state study sup-port should be increased and, if su, for whom.

tion, whether to place solution tion, whether to place solution secondory schools, and be switch teacher training pre-ativity from school te solution. On further education, to likely to suggest increased re-panion by employers, and the in emphasis from improving to ist knowledge of a subject viding training in profession ince. Increased financial to may alse be proposed to say It will also examine occess in further and higher education, the future of the school marking system, the effect of home backgruind on achievement, the degree of specialization within courses-especially in the latter years of especially in the latter years in comprehensive and upper secondary schooling—and the georing of ad-missions to different types of tuition according to expected anonpuwer nceds.

Regording higher education, high changes have already been nade fullowing two eerlier plans, the 1974 Overall Plan for Higher Educution flclhedsplan-laegungen) and the PP2 Plan (Perspektinglau-redegorelse 1972-1987). Restricted entry came into foll offect this nuturum (THES, March 25). Similar principles may now be applied an a widec scale, especially in adult education, an anticipated growth ducotion, an anticipated growth level of qualification; and the tion for aquality-the case "The interim report says it should egalitation attitudes. 81°Ca.

South Africa

wiitner

Mexico Universities Concern that higher fees may drive away students frum Mnrtin Feinstein CAPE TOWN a result of energy costs, solution fee increases at universities next year may cause a full-off in sunient authors, student leaders have the increases were made but the increases were made but

STOCKHOLM

breaks new ground by covering all aspects of organized learning end by making concrete proposals for

Prepared by the Central Conocil for Education, s hody set up within the Education Ministry four years

ago to cuordioate laog-ronge plan-uing on a non-sectoral hosis, the plan was requested by the minis-

icr, Mrs Ritt Bjerreguard, in May,

1975. An interim report audining the

a core and prioritles of U90 hus already been published, and that final report, due within the next few menths, is to be appraised by a three-man team appointed by the Organization for Economic Conpera-tion avid Development (OECD) next

tinn and Development (OECD) next grar. The team will luclude Lord Briggs, Provost of Worcester Col-lege, Oxferd. The plan will emphasize the

from Emil Zubryu MEXICO CITY

Mexicn's State-operated universitles have been usked by the Ministry of Education in begin thinking of how to contribute to their nwn financing instead of rely-ing on federal government sub-

This year Moxico has ennuarked u budget of 15 billion pesas (\$675m) to finance institutions of higher learning. But the constantly Increasing prassure to pruvida funds has been causing concern, especially as Mexico's comomy is guing through a difficult period.

Another major factor that is causing disincilnotion in gavernment quarters to pour out hugo sums into higher education is that a portion of this money hos indirectly financed tha space of strikes that bave floced across tha republic's campuses. It is olleged

and the place where visiting Maori groups are formally welcoared, con-sista of both a meeting-house and open space, and is central to Maori community life. Auckland'a proposal is not an attempt to preserve the post-but part of a wider concern of the university'a Senote to boost univer-alty enrolments of Maori and Poly-nesian studanta in the Auckland New Zeeland's Maori secondery National (immediated to the condery) and the side school publis live. National (immediated to the condery) and the side case for non-Maori school-leavers there should have been 3,807 Maori public with such the conderstrate of the condery school school-leavers there should have been 3,807 Maori public with such the conderstrate of the conde

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Overoll, the final rep: curisage five desirable for equality: "formal" equally b the law, including the right at in studies; "real" equality to different social and income p. equality of rasources at dist herween various social and a tional groups; equality of a so that all Danse reach de

At Rhodes University res

fees have rissn by 13 per

with other universities and

cannry".

educated, unemployed and pa

relevision as o medium of i

dents having to prolong at taking on part-time work.

we were all pressed against the back of the response of a prosection of the set of the response of the pressed against the back of the responsed against the back of the responsed against the back of the response of a prosection of the cancellation was announced),

"Now the prositien's a little differ-ent in France", he remained his audience, "There you've gut the Confederation Francaise Democra-ique du Trawail (the chalk scraped against my enr-drum)—CFDT. This is still a member of the World Fed-eration of Labaur.—WIT.—Int it's in some competition with Force Outfiere-that's FO."

tame to increase aniversity grants, me the other reasons. At the University of Cape Toisn a 15 per cent increase in tuitian fees has been annunced. Burdened by interest un long-term capital lonns, a stringent unsterity pra-gramme involving a clampilown an all proposed building expansion has ulso been introluced. fees will remsla the same correspondence Uoiversity a Africa. The university's 33.

Cope Town residence fees-Increased by 8.5 per cent-are naw opproaching a level which Mr Rick Hoyson, President of the National Union of South African Students, donts faced steep fee increase year, hut can new look form stoudier times, the udward mulnitation said. According to one university cipal, the Treasury is easily cuc next year's grant by a k fears will couse a drop in the num-ber of matriculonts cutering unius nuch as last year's grant of perit us much as last year's operation with parllamont expected of demand further budget chis bigher education early near p it seems that student will commit to bear the bruck bight versity. At the same time the Grahamstown-based Rhodeslan Student Society volced the fear that fewer Rhodeslan students winld new he able to attend South African universities.



THE TIMES INDRIGHT REDUCATION SUPPLEMENT 18,11.77

From an academic listening post

cenare about him. You see, it was he

problem was the coffee. Not the problem was the coffee, Not the start in, ulthough God knows that was had enough (not for the first une I felt sorry for n vice-chancelbe who had to go to the absurd lengths of regularly serving Cuffee Time in order to preempt the fin-auchd strictures of revolutionary students). No, the reni problem was shifting the stuff from one end of

The first stage was net tao diffoh. The Deputy Registrur passed the cups up through the tropdom in die stationery emploard and then dicre was unito enough light for the registrar to puss them along



11.15 and 1 was absolutely furious on at the same time as mine and it is an it was another by farming on at the same time as unite and with the provost. Quite bonestly, it we both scribbled on our parks; this was the third time Lundquist had stressed the significance of this *Force Ourviere*.

"Now FO-and we muched what about him. You see, it was not what it is a standard of seniurity to the event.
with one as external exonumer leading the committee.
It would not have been so had it is last welk and the week before this last welk and the week before the had been up there with the rest of as, lying flat out in the ventila-tion shaft belind the hlackboard in Reont 1122, but instead he was badly ingratining himself with a riving UGC delegation. The major problem was the coffee, Not the use of it, although God knows that use bad enough (not for the first bad enough (not for the first ist as well for every few minutes inst as well for every few minutes an electric fan would start up same-where in the ulrconditioning system and propel a blost of main air straight through the shaft—a pur-ticularly distressing experience in that self-protective movements of any surt were almost happossible,

Nut noly might these produce a tell-tale aluminium claug, but we were all lying so cless together the chancellor's head octually rested on my ankles) thm any sudden more-nient might well initiate a chain granting which would surfacely reaction which could seriesly injure the overweight Tesco pre-fessor who was suffered into the corner piece of the shuft.

for the registrar to pass them along to the provice-chancellor and on the the Tesco professor of contonics. But it was then that the ventilation dafi made a sharp right turn and this maan that the vice-chancellor, the chancellor, ond myself were compelled to puss scolding hot emps of coffee to each other while all the thine lying flat aut with one cur pressed egainst the warm metallic side of the shaft. 11.20 am. But at least Landquist was leturing. Last week he had cancelled and the whole committee had been stuck in the shaft for a fruities foor-and-equarter (particu-kry frastrating because, of course, we were all pressed against the back of tho very board upon which the caacellation was announced),

Registrar here "OCB-that's Austria, then FGTB, Ilolgium, LO-Denmark, two for Finland, SAK and TOC, and of course FO fur France."

11.55 nm. 1 perce really expected Whe du Tranaise Frances (1.55 hm, 1 bege really expected agains my enr-drum)—CFDT. This is sill a member of the World Fed-some competition with Force Omvier-that's FO." The vice-chancellar's turch flicked

He'd been doing a bit of work in travagant—an more than going mention of conservative approaches through some standard social to the subject.) After all, it was science texthools in the cullege to the subject.) After all, it was through some standard social to the subject.) After all, it was content texthools in the cullege to the subject.) After all, it was the page of the transmission of the subject. Since pages, But as he said in his squads " and been the inspiration self-effacing lacencie way, " You helpind so many of the recent blows have to start somewhere". He'd argued that my external examiner's concern with standards made me an obvious choice for a new anti-basgroup that he was forming-and of

course 1'd agreed. 12.05 pm. Lyndynist was listing even more Enropean trade unions and reading aloud from something called " the ILO Conventious", The fan was whitring again. There was

hare _

Tesco

Prof

hare

Pro-Vie

hare ----

Chancellor

Refrashmants

here ->

ACADEMIC FREEDOM FIGHTERS MODEL

001

Vice-Chancellor Chancellor

Ventilation shaft (croas section)

here ./

1

ROOM H 22

Marxiam eeaps through here

that you've testil more scripts than way the Tesco professor-had

that you've read more scripts that is actually the case, and that you can easily make about a academic distinctions hetween such marks as 79 and 60. But there's little roat change. Hardly any opportunity for attually affecting standards "Bar's why 7d been so pleased when Frie Cadworth, the Tacora professor of industrial relations in the department, had rais of the whole operation of Markist bas. He'd been doing a bir of work in meeting of the committee that so this area already-mothing too er tar three had not been a single

the academic freedaat. One expectally remembered how he served the dismissal of Dr Glumpertz from the psychology department by the simple expedient of drassing we the construction. of dressing up the registrar as a heating mechanic and then getting him into Glumpertz's room to fix the pipes thring a seminar on heliaviour therapy. Four Glumportz had little defence when senare later confronted him with his own words: 12 citings of "ullemation", eight and was wanting again. There was not fittle octence when senare later to doubt that the musture it pro-conformed him with his own words: 12 citings of "allenation", eight 12 citings of "allenation", eight 12 citings consciousness", four of five people in the shaft had affected for radicul reassessment " ted the thermostat in some way? Someone does the line—1 think it those fascist behaviour therapists

moist air

enters here

Lauria

here

watch them sizzle", Cudworth's only real failure so far had been his over-anditious anomn to indict the senior lectorey

an their tien electric grids end

in commutication studies on the grounds that the man, although showing no physics signs of Marxism (or indeed of anything opproaching any sort of coherent political position), was nevertheless Marxist in attitude: rule, over-hearing, devious, hostile to all criticism, and totally impressible to intervent. Source of the source of interrupt, Senate, while agreeing that such behaviour "seriously that interfered with the free exchange of liberal democratic ideas in an academic community " nevertheless found him an guilty of Marxism and merely reduced him to the rank

int lecturer, 12.15 pm. "Well, let's pm a few Lundquist things together" — Lundquist thengs together" — Lundquist themk End) had nearly finished "extrapolating" for another week. It looked as though he was just in time. I could hear the fact starting op again at the end of the shaft; the chancellar's head scenical to be In again at the end of the shaft: the chancellar's head seement to be ferking convulsively as though in mulcipation of the imminent blast of heat implets, and the sound of deep steady omaning resonated from the bend. I resulting presed my ear once more to the heit aluni-alum and tried to reche Cudworth's rousing tracks in the first factical meeting of the Liberal Survellance Squad. "The fature of the ucide-ule community as a forsun for in-dependent thought depends upon the systematic discovery and sup-pression of all those who disagree with truly liberal ideas". Landquist was clusting his refer-ence hooks. The hat rain hegato to ble through our clothes. 12.16 pm. "Never make the ofs-take of thinking", he concluded, "that this large network of hite-outional trade unions is the meaning

autional trade unings is the meani-autional trade unings is the meani-zed roico of the working cluss". 12hree torches clicked on along the shaft : the moans stopped : the rain scemed to slackep), "It is meroly a piece of succestructural mystificu-tion which disquires the investighted

dooc. "Superstructural myalifies-tion — that's un absolute clincher." "But what about 'international capitalism'". I almost shouted as 1 scramhied ofter the rest, of the squad. "We could get him on just that. I.els see him extrapolste his way out of that one."

stotionery cupbourd and accepted un Anunutillodo from the deputy regisirac-a tired, dusty, wei, but very, very haipy hunch of ecodemic free-dmit fighters.

Laurie Taylor

The nuthor is professor of sociology ut York University.

conteut, however, for their educo-tienal experience to be governed by fur less open procedures.

by fir less open peocedures. Mora open discussion of the objectives of the taocher ond per-formance of the student could only improve higher education. One area which access ripe for shorter criti-cal analysis is succed the sandwich expanience on mony courses. Many testific as its paracel value yet for testify to its general value yot few substantiate with conviction. That coacept rauges from meroly a year outside the institution to the most corefully phased ond moultored integration between academic work and practical exporteuce.

as that proposition is, it romains difficult to accept why the research component should nixe in equal proportion to the equal student numbers. Moreover, this can scarcely ba the case with the public sector. Aithough the polyteulunics, of

There lorks the doubt, however, that aven when all the formdable educational probions are taken into account, oven whon the difficulties account, oven when the difficulties of ohtaining placemants are recog-nized, students have the right to demand more from their educators and from thoir amployars during the aundivicit yoar than they are soutclining receiving.

It moy bo thought that this argu-ment for incroosed cesponsivoness on the pact of higher education teo-choca to the educational needs of thair students is somewhat unfair

A further document of great sig-A further document of great sig-nificance emanates for the Ser-geant-at-Arms. It lists the lobbios for the weak; pensioners on Tuus-thy, university teachers, Pord workers, Enorgy 2,000 and tho youth employment lobby Wednos-tioy, and the National Union of Stu-dents on Thursday. Those parts of the Palace of Wastminster to which the Lobbyists have occess will be avssh with people obliged tu express complex orgunants with sama hrevity and greater vigour ss MPs scurry frem ona coumsitmant to unothar. stances of the weakest of their

of the Palace of Wastminstor to which the Lobhyists have occess will be awssh with peoplo obliged tu express complex orgunants with soma hrevity and greater vigour ss MPs scurry frem ona commitmant to snothar. Perversoly, the better informed and the more he will tond to be in evidence of each lobby. Tho real success for the inbyist is to get strarg points over to tha doubtin and the minformed. Of the two education lobbies the NUS has clearly the more damting task. MPs may not know the detaila of the

And may indeed be, as Jeremy service and the numbers it cau mater in the number of disriptions reflecting mater in the number of the public indice or intornol issues is rain. The single of the second it is very work. The single is of the queue when the availat nor wall. Representative demoning its of the queue when the availer to the number of disriptions tables in the nore flexibility. That nore mater is as indices in the number of the queue when the availer to the public of the association on undon is present if are arrumoned to be present as a moset is arrutor is ourse to will be the in the government lobby. The interest is the number of the ourse ourse in the number of the ourse ourse ourse ourse ourse is interest in the government lobby. The public the interest is interest interest in the mater is and the ourse is interest. The single is interest is interest is interest is interest. The single is the the government lobby. The public the is the public interest is the uniterest in the material of the ourest is the number of the uniterest is the publi

versity teacher's worth. Ner have students taken much initiative in demonding more effective tenching. Some universitles and polyrech-ules have, ef course, developed training contracts for lecturing staff but these are for from universal even for new recruits to the pro-fession. New courses, fresh demands from students, changing employ-mant prospects, larger cohorts, all would seem to point to newer approaches to teaching.

approaches to teaching. Universities, of course, bave always argued that they are not solely nor even portuges predomi-namly teaching institutions. Volid

Extrapolation takes

place here

Kipperivillians

Aithough the polyteululies, of course, hove a serious commitment to research they were intended to pluce greater emplusis on theic teaching role. Moreover, this ought in apply a forttor! to the unor recent institution of higher educa-tion and to the transformed colleges of education.

Students, somewhat surprisingly Students, somewhat surjirlsingly howevec, have produced no sus-tained critiqua of the traditional aystem of classifying performance. There have been fow demands for institutions to produce academic profiles of atudout performance on the American pattern. They are content to leave with their classified durage and the performance profiles of atudout porformouco on thalr students is somewhat unfair the American pattern. They are given current grievances about rates contrast to leave with their classified degree and the personal ceforence those who consider theniselves mulerroinuuerated may oppear a roo files of pay. To domand more from those who consider theniselves underroinuuerated may oppear a rate place of political nervo. On the private companies where annual private companies where annual years in which pay arguments will assessment of performance is the revolve a great deal around produc-norm and where discussion of the product's raport of their work the teachers to show an increased encouraged. They will have been

a piece of succestructural inystifica-tion which disguises the inevitable and repressive operation of inter-national cupitulism". We heard him stride out. "Got him-got him", chuckled the choncellor os he heard to squeeze his troy back to the trap door. "Superstructural mystifics-tion "-thette up absolute clucher"

12.20 pm. We slid down lato the

notice board

Landon School of Economics

Senior lectorers: A. C. Rurvey (stalls-(ics). Lecturers : D. H. A. Lelwy and D. Paterson (accounting); M. Ahmed, G. R. Assaf, Dr F. A. Covell, J. E. H. Davidson, Dr. J. Le Grand, H. Polemar-chakis (Denober, 1978), Hr. A. Muk-Keele
 Lecturers: F. Beranger, M. Dhanger
 I. E. Cavan (Daython, Dr. J. Le Grand, H. Polemar-chakts (Debber, 1978), Hr. A. Muk-herli and Dr. A. Shaked (reconculey), logy); A. I. Dawisha (international relations); S. P. Itamash, J. R. Promos fector ventes); R. V. Selfert (Industrial relotions); G. Starcy (Luw). Temporary fector ventes); G. Starcy (Luw). Temporary fector ventes); A. Furnes (electronics); Kareo Jones (education); J. Sarshy (sociology and social anthropology).
 Sendor research tellaw: C. M. Bes-berongh (social policy and social work); Teacher follow ; Dauid Bruce, (centre of American Studtes). Junior research tellow: L. R. Mitchell (psychu-nan and L. M. Wicks (psychology).
 Lendow, Dr. J. Le Grand, H. Polemar-chakts (Debber, 1978), Hr. A. Muk-herli and Dr. A. Shaked (reconauley), baching (Frenchell, S. S. Domean (geography), Dr. H. Machin (Frenchell) (Forment and poll-des); J. T. S. Madeley (Governmentif); Dr. A. Muniakis (political philosophy); berongh (social policy and social work); Teacher follow ; Dauid Bruce, (centre of American Studtes). Junior research tellow: L. R. Mitchell (psychu-man and L. M. Wicks (psychology).
 Lendow, Dr. J. Le Grand, H. M. Nerrational and infestion policy (Cana-nian studies).

UMIST

Director at UMIST research and con-solitancy services : Dr Roger Holdom,

search on the role of antitomour anti-inalies and tumour products in tomour inmounly under the direction of Dr K, James,

James, Heagrophy—£12,090 from the Country-shie Commission for Scotland in sup-port of a survey of the Strathclyne Country Park, under the direction of Professor J. T. Coppock and B. S. Duttleid; £26,370 from the Sports Council for renewal of the courtact for the TRIP User Service, under the direction of B. S. Duttleid (Tourism and Recreation Research Unit). Mulceulor biology—£21,254 from the ann Recreation Research Unit). Mulcenior biology—£21,254 from the imperial Chemical Industries for a pra-ject in molecular genetics involving the ICI Laboratory at Runcorn and the group under the supervision of Pro-fersor K. Murray, theorem 513.059 from the Course

forsor K. Murray, tenenics—£12,948 from the Cattver Research Chappaign for support of research on a comparison of a RNA population in different isogenic cells and cell flacs, under the direction of Dr J. Rishong (212,000 from the Cancer Research on hecalization of specific that genomes within nonsformed cells and numbers by unlecular hybridization, moder the direction of Dr K. W. Junes, (10,021 from the European Economic community in support of a project for the determinent of screening meth-phology, under the direction of Dr R. J. Kubey ; £12,765 from the Manpoyer thingy; cl2,765 from the Matthewer Services Connulstian for supporting investigation of potential lealth hazards to man, attler the direction of Dr R. Playion; cl1,742 from the MRC of Dr combined support of research on messager RNA and gene arrangement in developing chick lens, under the direction of Ur R. Clayton; 1.34,112 from the Wellenaw Trust for support of studies on the typing of malariat para direction of the typing of malariat para studies on relational multi-workers in Thallanti, nuller the direction of Profes-son G. H. Henle,

sur G. II. lienle,
sur G. II. lienle,
iii daman genetics—LM,237 from the MRC in support of preservit on the clink at application of human alpha-fetoprintein subject in matternal series in edirection of Dr D. II. Brock;
g the direction of Br Mattain in continued source of direction of Professor A. II. Emergy;
m be direction of Professor A. II. Emergy;
m be poport of research on cell-mediated to the direction of Professor A. II. Emergy;
monity to islet cell antigent material betes mellitus, under the direction of r Dr W. J. livinc.
d Woctensistry—E17,469 from the MRC

Dr W. J. Invinc. Wockensistry-£17,469 from the MRC In support of studies on hiological membranes, under the direction of Dr J. H. Phulips, Dr D. K. Apps and Dr S. Van ticyniogen; £14,870 from tha MRC in support arcsent on chniera and tetanus loxins, uoder the direction of Dr S. Von Heynlogen, tiyozecolugy-£15,082 from the MRC In support present in the MRC In

diabetes, uoder the direction of Dr W. J. Trvine.
Miedictos-229,798 from tho. British Heart Foundation for support of re-search into the relotion of ischoemic myocardiol metabolism to ventricular ar hytmias in dogs, under the direction of Dr M. P. Olives.
Clinical surgery-244,382 front tho Can-cer Rescarch Campaign in support of the direction of Professor A. P. M. Forrest.
Pathology-220,427 from the Concer mismo of apoptosis, under the direction of Professor A. R. Curris.
Zoology-217,932 from the Concer Research on the particular courted meta-mismo of spoptosis, under the direction of SV40 virus-specific messenger RNA in numato transformed cell line; under the direction of Dr U. E.
Computer science-250,406 from the Netter are specification of Professor Sir Alexander microlanisms in brass cancer, uoder the direction of professor Sir Alexander mismo of spoptosis, under the direction of SV40 virus-specific messenger RNA in numato transformed cell line; under the direction of Dr U. E.
Computer science-268,618 from the Professor M. II. Colling-ties of SV40 virus-specific messenger with a direction of Dr U. E.
Computer science-268,618 from the Professor M. II. Colling-ties of SV40 virus-specific messenger
Rate contaction of Dr U. E.
Computer science-268,618 from the Professor M. II. Colling-man the subject of the direction of Professor Sir Alexander Research Campaign in support of re-seorch on the partication ond proper-ties of SV40 virus-specific messenger
Rate specification of Dr U. E.
Computer science-268,618 from the

and a second second

t.ectorers: Dr R. A. Worth (polymer and fibre science); Dr. Christine Siugh (temporary) and P. E. J-P. Delchonice (papplied linguistics and numbern lan-gnages); J. R. Dafby (Enropean studies and modern languages); J. G. Frankt (structural engineering); S. J. Yrong (control systems 101 homorers) (unitrol systems, 1CI, temporary). York

Research fellows: C. O. Ellas, D. J. Flanggan, A. t., Morgan Hitology), R. J. Hussell, T. R. Slade (chemistry); P. W. ti'Rlordun (psychology); D. A. Mut bachal annihistration); R. R. Wright infvanced orchitectured smalles), Research assistant: S. P. Tolicy (chemistry); Trials officer: J. P. Palmer, Publication officer: J. M. Scholelichi; Creative writing fellow: Howard.

R. Howard. General Professor Arthur Summerfield, profes-sor of psychology in the University of London at Birkinsk College, has been Social Science Connell in Paris, which advises Unesco.

Artificial intelligence-171,228 from the SRC in support of research on pro-gramme correctness, programme trans-formation and programme synthesis, inder the direction of Dr II. Al. Ilura-tall. £19,746 from the SSItC for support in althematics through LOGO, under the direction of Dr J. A. M. Itove. Physics-£114,650 from the structure and dynamics of molecular crystals by nentrum scattering, under the direction of the Army for support of a support of the structure and dynamics of molecular crystals by nentrum scattering, under the direction of the Army for support of an inves-ligation of the lenomical properties of crystals by ruman spectroscopy under the illrective of Professor R. A. Cowley.

Architecture--- (15,245 from the SRC in "The centre in Scandingine 22 is "The centre in Scandingine 24 is the title of a meday role of the newly formed Scandingin this through of the Political States clathen of the UK in be below for 17 in the Fletcher Solder; hounce Annexe, Loicester Polic Further details not applicates to Valst in Thomas, School of Soci Commentity Studies, Leicester 15: or, PO flox 143, Leicester Life in a simulations of environmental per-tornunce, under the direction of Professor C, B, Wilson.

Professor C. B. Wijson. Astronumy—£14,970 from the SRC for support of research on robative space densities of galaxies of various types from objective prism spectra, under the direction of Dr D. Enterson. Borny-£12,553 from the SRC for sup-port of research on mechanism of initiation of cell division by anyth, under the direction of Dr A. It. Trewavas. Sarial administration—C11,909 from the South Conster Administration in

initiation of cell division by anyth, under the direction of the A. It. Trewatas, Sartal administration—C11,909 from the Scattish Courts Administration in support of an investigation but the social espects of diffusive, mider the direction of Professor Spencer and M. E. Adler. Chamming melicine—L18,219 (supple mentary) from the Scottish flome and leadth Department for treached into

M. E. Aller, transmitty archiclae—18,291 (supple mentary) from the Scotish flome and licath flopariment for creately into comparison of the effectiveness of mentads of reliabilitating patients sufficing from strike, other the direc-flor of Dr W. M. Carrawy, triminalogy efficient to scot-tsh flome and floath flopariment for research on the Scottsh purde sis-tens, under the direction of Protessor McChinters.

and tetanus loxins, uoder the direction of Dr S. Von Heynlogeu, Byoaccolugy—E15,082 from the MRC In support of research into improve-nuents in radio-immuno assays for gonadai steroids, under the direction of Dr W. M. Homer. Electrical engineering—E13,456 from the Millistry of Defence in confilment in Millistry of Defence in confilment on Dr W. M. Homer.

Forthcoming events "The social and cultural cash invelop Languages in the is invelop Languages in the is invelop the school of lenguages in here held at the Published of the Lamion on December 2, at Pit Marylebone Road, London 3 Topics harlunde "Sadal and of hereins harlungen by Mr B. C of Cornections Versouved an School L2. Funther Information for Resame Productors, Shoot Come Public Information for Resame Productors, Shoot Come Public Information for Marylebone Road, London Will "Race and Residence is d

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Mill Lane, Cambridge C82 153.

warione Loodon, Charles de Gaulle. For Aron, solike his former friends in the Sartre-de Beauvoir entourage, the United Stoles has seter been a bogy. In his writings on interno-tional relations the Americans have acted as

Init relations the Anterichis have acted as a imperial power, yes, but a procent acted as a imperial power, yes, but a procent acted as a imperial power was but a procent acted as a first process the Atlentic, even if he does oot fit easily into the computation of o single discipline. For some partment is the does oot fit only provide the part of the heat of the most accessible of French intellectual. Prrhaps it is his buddity perhaps, as a TLS reviewer once put it, because his etence is always one of distinguished common seose. Perhaps it has been this anti-Communication, expressed in the form of a scholarly critique of Marx or in sociological descriptions of Soviet society.
Raymond Aron'o reputation is primerily stadeald, but in conversation in his third floor apartment above the Bonlevord Si Michel we hear the voice of the French Aron, coaroversialist, polenticist, columnist for Combut and Le Figuro, the pan which accused de Gaulle for his enti-semitism. To his fellow French its reputation is highly culoured. This was the man Sortro declared in 1968 to head to leach at the Sorbonne, who accused the intellectuals of Paris in the multi-1950s of leng booked on the neuroalt of Marxism. To bis fellow french its man who invelighs in hooks ond papers against the coalition of the French Communist Party and the socialists.
Loadon has Paul Johnson; Paris has Roymod Aroo. But juntanosing the two manes probably says less obout the two cultures has about the exceptional notifier of Professor Aron's sociological interests run parelies and filtes long ago won him the Sorbonne, and the sorbonne date.

. . . "Shaw as a critic " and "Shaw designation" are two lectures biol Studies at Goldsmiths" Colleg Iter cutter 10 from 3-6 pa. Adda is tere. Further iterals from the inge, tervishem Way, New Cross dote SID-4 6NW.

Medleval buildings-approaches i "Medieval boliding-opportunity of order incording techniques" is order conference to be held at Massie Abbey Adult Education College, Gw Missenden, Bucks, on December 44 Further Information from the Car Secretary, Oford University Spec-bient for External Studie, and Dicuts, 3-7 Weilington Sport, Galit. OXI 21A.

The Charley Commissionary

Ryder Sireet, London SWIY Objections and suggestions be sont to them within month from lodey.

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Trechniques of church architeke a ucreating conference, will be be been been for the second second second the second second second second the second second second second Wellington Square, Oxford

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the Charily Commission in the pose to make a Scheme in the charity. Copies of the the Scheme may be oblained from Scheme (ref: 312937-242) at 14 them (ref: 312937-242) at 14

UNIVERSITY OF SUBARY DEPARTMENT OF ADULT EDUCATION ADULT EDUCA Leven The Human Potential Rejeant as field is offenting workshold of periential Learning 174 Molt Swit-tiltor Styles (56 Jan) Molt Swit-(100 Styles (56 Jan) Molt Swit-180/29 Jan) & Calegory Internet (100 Polessionale) IS-10 Feb) and proper Counterling 11-56 Molt workends). Fro deatas of these and internet those in personal and internet those in personal and internet those in Switer. Guided for 128/29 Jan Switer.

Universities

Keele

Appointments

Belfnst
Playsiology—£18,130 from the Nuffleid
Poundation for studies on the nervous control of the smooth muscle on the respiratory ulrways, under the direc-tion of Dr C. T. Klipamick.
Botaxy—£16,772 from the SRC to research into gene expression during the cell cycle of ulgae, joular the direc-tion of Dr F. C. L. John.
Pure and applied physics—£11,668 from astronomical interference spectroscopy from a stabilized lation forme plat-form, under the direction of D B.
Bates.
Physiology—£10,000 from the NFER for research of sheltal muscle, much the direction of Dr D. P. Goldspink.
Braufford

Bradford

Open University
programmes
November 19 to 25Sinday November 20
Bac 2
06.85Sinday November 20
Bac 3
06.85Bac 4
06.85One 4
10.85One 5
10.85Charles 4
10.85Dime 1011
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1011Dime 1011
10111Dime 1011
10111Dime 10111
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Therapeutics—£20,858 from the British Diabetic Association for support of research na inset cell anilbodies in diabetes, uoder the direction of Dr W. J. Irvine.

nismo of apoptosis, under the direction of Professor A. R. Curris. Zoology-f17,932 from the Cancer Research Campaign in support of re-seorch on the partification and proper-ties of SV40 virus-specific messenger winder the direction of Dr U. E. Locning : f1,926 from the Wellcome Trust for support of research on the biochemical basis of hereditary sphero-cutosis, undar the direction of Dr A. H. Surgery-f11,214 for the Cancer lieaearch Campaign for support of re-surgery-f11,214 for the Cancer lieaearch Campaign for support of re-lieaearch Campaign for support of re-direction of Dr L. G. Vallant.

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Chairs,

De tieorge Eldez, reader in medical blocheadstry at the Welsh National School of Medicine, has been promoted in the chair of medical blochemistry. Dr R. Batker and Dr G. R. Luckhuist,

Br R. Barker and Dr G. R. Luckhnist, readers in chemistry at Southampton-University, have had the file of pro-fessor conferred on them. De Nigel Frant, reader in educational studies, University of Edimburgh, has been appointed to the chair of clinca-tion at the University of Glasgow. He will succeed Prafessur Stanloy Nishet, who is reifring at the end of March.

Recent publications.

Tape-slide programmes giving intra-ductions to computing are available from Primanon Productions Ltd, 9 Gloncester Crescent, London NWI 7DS, Principles of Programming, bhill requires no previous program-ming experience, demonstrates some i of the fundamental concepts involved.

the fundamental cuncerts involved. 140 35mm colour sibles, 20 minutes, price \$24.751. *Input and Output* requaints the student with the appear-

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Open University

Two new books for computer science students are being published by Pren-tice-Hall international. The Architec-ture of Concurrent Programs by Per Brinch Hansen of the University of Southern California, available next month, presents a systematic method for developing reliable concurrent programs in structured languoge (price, f13.55). Business Data Sys-tems: A practical gidde to Systems Analysis and Dato Processing by H. D. Clifton, af Wolverhampton Polytech pic, is geared to professional examina-tions. Exercises and solutions aro provided at the end of each cliquier and there are more than 100 diograms, charts and tables tavallable in Feb-cuary, price, £5.50).

Enteenten—£11,000 from The Leerr-tailan Trost for a study of problems of vicetional adaptation of Aslan limit-grants in Urbain, with special refer-ence to schools, nucley the direction of Professor Rath Geard and Dr. G. K. Wagna

aree of the various light time approximate media and devices. Cards, paper tape, magnetic tape and discs are discussed. (54, 35mm colour sildes, 22 minutes, price (21,35). Both cau he inspected free of charge on a 30-duy approval. Dundee

Edinburgh

THE TIMES HIGHER EDUCATION SUCPLEMENT 16.11.77



Politics in practice and in theory have domina-ted Raymoud Aron's thinking since World War Two, In the build up to the French elec-War Two. In the build up to the French elec-tions next year he broods about the end of the Fifth Republic. The great political chinkers of the binetcenth century are his ever-present interlocators. The debate with Conte, de Tacqueville, Marx continues: especially Marx. Marx has been successful in the midst of his fallure.

in the minust or his rature. "There", M Aron soid, gesturing to indi-csic Eastern Europe, "a rogime has been built which acclaims him-a regime he would cer-bialy have detested. And where he did not succeed, in the sense that the evolution of capitaliton has not ited to socialism, there is, predaxically, a success for Murz. "Many in Europe, or at least a great many

French intellectuals, are obsessed by Morxism. The problems, sometimes extraordinarily difficult we have to solve nowadays, are certainly cult we have to solve howardys, are certainly not the problems which Murx envisaged. The problems of trade union power, inflation of sharles... we one very far from the central commic problems of Marx." With unGallic toleronce M Arnu slows his

french to Anglophone pace. He has never shared the enoteopt some of his countrymen leel in what they call the Anglo-Sixon world. For him the British have heen a more ourac-tive race than fur his colleague and jesder in

minperial power, yes, but a pawer " astonishing in its moderation ".



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liberation of France. Then he was already over 20 and his desire in continue inclusion and a dividing work took precedence over a second rank joh in the administration. Since then his involve-ment with politics—constitution of power, the May days of 1968, the constitution of the French republic—has been total, but at one

The flavour and accuracy of his judgment

French republic—has been total, but at one ichnove. The flavour and accuracy of his judgment is given by his verdict on de Gaulle's forure foreign policy when the general resumed power in 1958. Remember this is before the Non, before Québec libre and so ou. Aron described "u fureign policy which prefers to duzzle, putting theatrical success above lasting results, and which feils to distinguish between tactics and strategy." He new sums it up: "My articles in Figaro gave me during mony yeors a situation minique in Frencly politics. My articles were political action, yet did not land me with oll the oblightions of the man of affnirs. For 30 veues by the efforts of my pen slower to uct apon events hus been to a large extent satis-fied by political life. My desire to uct apon events hus been to a large extent satis-fied by political journalism." In porallel ron his work us a political scien-tist. "Note, however, that journalism slowed up on veuts hus been to a large extent satis-fied hy politics in a world where sociology was king, and an analysis of regimes East and West. The yishin of "ldpular" inter-national politics may new he communiplace but in the 1950s it was while feesh insight that Aron said the Soviet Uninn " concealed inder a veil of invective an implicit accord with the United States". At the same timo, Aron was one of the peiglinotors of the plarase " end of bleedays", meaning the disappearance from politics of groud schemes explaining everything. The idea, ottractive to anti-Communists, was heing hammered out at the same time by American sucloigst such as Daniel Reli ool Seymour Martin Lipset. It was controversial and in his most recent return to the theme Professar Aron fielt the need to explain: " The end of ideology meant not the end of ideos but the end of the pseudo-rational or rotionalistic millenarionism of which Marxism-Lenhuism formed the most recent exempte."

end of the pseudo-rational or rotionalistic millenarionism of which Marxism-Leninism formod the most recent exemple." The concept was part of Aron's developing interest in "Industrial society"-the idea that contonic and social change in the wake of industrialization transcended divisions between societies on the basis of who owned property. The social question of the second half of the twentleth century, he seld at the time, would not be the contrast between socielism and ceptiblism but the guif separating industrial from non-industriel societies. If the idos now secus old, per-lious thet is a tribute to his role es a condult for some of the most important ideos to dominate recent social theory. The same is true, as genorations of British students will ecknowledge, of his mojor work Germon Sociology which-est lesst in transletion-brought the works of Weber to non-Germans in en assimileble form. Aron remothers Settre without rencour. He reforted recently to "dialogue between two then who were friends in their youth, who were separated by their quorrols and united by their increast." The fealing is not mutual, but Aron has so far not been two the fill volumes, as well ho might, with Albert, Simono, Viollete and co in tho phenody deys before and after the war. Aron opparently wes responsible for introduciog strie to German phenomenology. He remem-bers: "Sartro reed my Introducion to the Philosophy of History ortentively before writing L'Errs et fo Néart." In the book of mutuality before writing the intellectual and after the war. Aron opparently wes responsible for introduciog strie to German phenomenology. He remem-bers: "Sartro reed my Introduciotion to the Philosophy of History ortentively before writing L'Errs et fo Néart." In the book of mutubing oppy, Force of Grannistance, Simone da Beauvoir weicomes Arou with open arms when they moet o few days after American troops liborat are coldy observed. By age 200 Aron-ouce a bosom pal-de no longer montioued. With The philosophy of Heiretterials he burnt be boot

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David Walker talks to Professor Raymond Aron

for 30 years one of France's

most important political thinkers

Welsh Ruskin celebrates its golden jubilee

Coleg Horlech, the Welsh residen-tial college of orbit education, popu-larly knawn as the "colloge of the second chance" was opened in Harlech, Meironnydd, to Septem-bsr, 1927. Lust month it celebrated hts Colden Jublice in the knaw-ledge that since its foundation 2,000 full time and onny thousands more summer vehool students have passed through hts doors. As with Ruskin Collegs, Oxford, the founding of Coleg Hurlech wos largely the result of one man's far sighted inspiration. In Harlech's case it was Dr Thomas Jones, deputy secretary to the Cabinet and secre-tary of the Pilgrito Trust, who ini-tiated the idea of un adult educa-ilon institution in Wales und was to net as its mentor for onany years.

to act as its mentor for many years.

It was during one of the earliest Fubisit summer schools, which fur three years from 1909 to 1911 were held at Llandheilr, e few milss from Harlech, that ho first visited Wernfyr, the newly bailt home of George Davisin, a foroisr civil servant in the Exchequer and Audit depart-ment ond senior director of Koulak id in the United Kingdom.

Lid to the United Kingdon. While working as on assistant to the professor of palitical economy at Glasgow University Dr Junes hod bsen appainted as a special investi-gator to the Royal Commission on the Poor Law for which Beatrice Webb, with ishom he worked closely, produced her fumous minor-ity propert

ity report. This was a topic of intense inter-est to the Fabinus. Dr Jones, who had joined the lodependent Lahour Porty in 1895, hud helped to found the Glasgow Foblan Society at the turn of the cectury. Dr Jones's daughter now recalls that Control During in addition to

Dr Jones's daughter uow recalls that George Davison, in addition to being an able and wealthy man, was marked out us an occentric because of his social ideas. In the early years of this century he hrought to Wernfyr a "dozen or so" deprived children from mews forkilies nonr Addison Road in London to try out his ideas of education.

education, But in 1922, following Dovison's departure to the South of France for health reasons, Wernfyr stoad ompty. The next year Dr Jones wrote to tim asking if he would consider selling the house for a knock down sum of between £5,000 and £7,000 "provided the object was educational in humanistic".

produced an IOF bir 17,500, changed to ensure that Dr Thomas's project rankly get underway. A produke of £500 per year for on exterimental period fram the Cassel Trust comented the furnice of the scheme. By early 1927 Dr Ben Boren Thomas, then extranation hard bown in Penibrokeshire, had been appointed the wardcu of the pro-pused collego which opened for summer school courses in May with nu initial team of seven students

ond two tutors. The philosophy of the college was that Baclech stations " would not that meet to study for any particular ex-unination or vocatian kut in assi-ciation with one another and ander the scinutizes of fresh teachers they would devolve the scinutize of a state of any state of a state of a state of the scinutized of t

the stimulus of fresh teachers they would develop the powers of appli-catian which they bure attendy shown they postess". At the npening ccremany Dr Jones suid he haped that Harlech would gather into a true swriety the teacher, the student, the thinkor to the hearts of today's abult educa-tionists.

tionists. In the years before the war there were no serious internal problems at Colege Harlech, Mr Peter Steat reculls in his book Coleg Harlech-The First 50 Years, During the years from 1939 to 1946, however, the hulbling was closed. Mr Stead mys: "Before the war there had been much talk of Coleg Harlech producing actually wolld with the rate work en-there had been much talk of Coleg Harlech producing actually wolld with the rate work en-racks. By using the appropriate rates, haven consisting of three sub-racks. By using the appropriate rates, haven consisting of three sub-racks. By using the appropriate

dured al school. A third constituent of the nuck-nge will bo o specially designed card game, consisting of three solt packs. By using the appropriate rules, players con punctice addition and subtraction with one set; multi-plication and division with another. The huroduction of the Make It Count series will be the National Extension Callege's first farmy into the flehi af basic education. It is also the first time it has attempted a course without back-up corre-spondence material. The NEC will also be explaring there had been much talk of Coleg fluriech producing men who would become leaders in their localities but, given the quality of its turbion. It was not surprising that the col-lege's main contribution came in terms of the opportunity it gave for non the exactlence a general oendemie education. Nor was it sur-prising that a significant number of pre-twar students used it us a stepping-stone to university." Although a diploma and certifi-tenve without formal qualifications. Mr Stead's book says: "Many were astonished when in 1970 n record number of 35 students left Harleck for various pulvorsities, On

wrote in him asking if he would consider selling the house for a knock down sum of between £5,000 and £7,000 "provided the object was educational or humanistle". It was not until October 1924 that Davisou et last wrota to Dr Jones effecting him oll cho bulldings and 11 ocres of ground for £7,500. Then Dr Jones storted rollying his forces.

It is had by then been at the previous assistant could be previous to the edition of the previous secretary to the edition of the previous assistant could be previous to the edition of the previous the previous to the edition of the previous the previo for adults. Four-ained in them will be free crepies—by courtesy of a Nuffield Foundation grant—of a time's manual and training kit compiled by the National Extension College at Catakridge, which is sponsoring the numeracy scheme in conjunc-tion with Yurk-thire Television. In metid-Jamary YTV will hegin screen-ing a 13-part series which will be netwarked naloually, oined at immuocate adults. Fature Adv. D. Count. the 00 MAKE Earlifed Make It Count, the momeracy course will affer a fresh start in mathematics—from the very heginning. But to avoid associa-tion with gast "failure" in the sub-ject, it will project the idea of numeracy through everylay situa-cions in the home and at work,

Cover of course endice

The NEC was impured on to organize a numeracy scheme by monthly reparts from the Training Services Agency and the Manpower Services Commission. Originally the idea was to create a hasir chication series for craft apprentices in indus-

Freemen, said: "We haved at the research that had been done, and decided it was feasible. We started looking around for funds and cullaborators, and came across York-shire TV which had an interest in acganizing some sort of furmal educalion course.

"The more we looked at it, the hiss it seemed appropriate to use tohvision to nim at craft appear-liges. Vorkshire TV nanteit some-thing abmed more directly in home-based uddits,

cising a correspondence course linked to the Yorkshire TV locand-Int the plan hit a major sifalt.

Suc Reid Success to be incapable of the problem by under £12. With numeracy there don about the future success of the scheme. Mr Coleman capeels some Make it could be incapable of £20,

The wext step for the NEC, due preliminary soundings in the edu-tional workl, was to prepare train-material for tutors, Many of the in is hoped, will adready be par-parently in their fuel litera-schemes, and will be prepare to take on the extra burden of net-acy teaching. acy teaching. A grane of El0,000 from d

Nettichl Foundation has enabled a NEC to develop a support strig for inters. The minual was comple-by Terry and Christine Riley. The NEC feels the harriers is overcome in persualing people intor stadents with numeracy p lens are going to be far more a cult than those fueld by the lines

Despite this he is hopeful d literacy tutars will respond to the challenge. Already, to some ma-literacy groups trluch have at covered muneracy problems h nucleal the problem.

So far as the NEC is concerned, one aim of the numerary married is to provoke illocustion are local groups on how they could be produce their own versions.

Mr Freenun suid: "Perhops o material won't he used in two ya time. But we hope it will crew similar reaction to the On The Ma literature. It set people think about how you preture materi Must people in the literacy when now prefer to use their own a sinns.

In mother aspect the NEC si he hindered in its attempt to be dury mineracy teaching-there's he no national iclephone read system, similar to the On The So irguaizatian.

Instead, viewors will be urals write in Yarkshire Trievisia, a their replies will be passed on the referant agencies in ach we ity. When the link is and we at heat level, the student will be able to obtain the NRC's macri through the callege or mor dese ing the course.

A third problem will be the screening times of the Make h Count series, which are scheduled for a veckend morning should and a midweek repeat.

reuch M Aron's credo : the clorian cill of

Aron-modern Montesquieu

pedagogue in the clossicol French sense. He once told an interviewer, "I don't think I hove ever rejucated n lecture two years run-ning. That might be right or wrong, but repeating a lecture bores me." His major work — at least in English translation — on the politics and sociology of Industrial society is a reprinted lecture socies. Sattre'e judgmont, albele in the heat of 1968, was wrong. Aron treallates; "To Imagina e revolution in 1968 in France, in a prosperous country, involving only a few

Peopla students was completely idlotic". Peopla such as Cohn-Bendit, he says with o feeling that belies eccusations of coldnoss, represented nobody. "I said then he was somebody whom three months letar no one would know" would know."

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Raymond Aron is a liberal; his politicol sympathles are with social democracy of the Germion kind. In present circumstances it is a matter of pride that Giscard d'Estalag a manter of phase that Giscard d'isstang "religiously" reads his articles and some times phonos up. In the sense of wider ellegi-ances, in his book Moin Currents in Sociologi-col Thought he aligned himself neither with Marxist sociology—a design for the whole of society — nor with American sociology approving the whole and criticizing the parts. Yet ha is a reformist, an opponent of " totali-ties" lo Marx ond in Comte.

As early as 1944 he set our on a liberal path, turning away from the fatalism fashion-able on the time in Paris. "En dissolugat.", ha said in ralation to historical determinism. "ces necessités massives, nons parviendrous peut-étre nou à substitue des prévisions

d'application de la volonté huadine". In o sense, thereforo, identifying the end of ideology wos not only to describo the roal world, but also to state a politicol preference. The genoral perspective links with Aron's critiqua of Marx which begins, crudely put, with Marx'e ignorance of polities, the primory importance of political organization, and with a critiquo of determinism. Viewing the bistory of the Soviot Union since 1917 Aron csn comment, on productivity figures for Soviet industry and agriculture, that there is anth-ing specifically Marxist about Russian "tuke off.". It resulted from iraditions peculiar to a Slav country, from Marxist Idoas imported from abroad and from circumstances that wora more or loss accidental. He makes the same point againsc determinism by ideotify-ing concepts-such as thot of surplus value---which transpend a particular oconomic base. which transcend a particular oconomic base.

Which transpend a particular oconomic case. In commentaries and books Aron hoe cultivated a tone of watchful scapticism about Soviat intentions in the arena of international power rolations, Marxism-Lenlaism hos, ha remarks, mode a dacisive contribution to Mos-cow's imperial fortunos. Like Alexis da Tocquaville, Aron is fascinated hy bi-polarity oven if his conception of a world halance of prover domicated by the United Stones and the Soviet Union has perhaps, dated more then his uther work.

Aron's dispassionate tone has recently become more pessimise. Theorists who say the Soviet Union and the West are becoming the Soviet Union and the West are becoming more alike or those who prodict the intercol dissolution of the Soviot Union he has little time for. Their judgments are coloured by hope. Aron commented in a recent essay: "History is the tribunal before which men and peoples appear, but it has never judged in equity of in morelity. It has olways hauded above ambiences worklets, their fueloo down ambiguous verdicts, their justice acclaimed withour reserve by the vicipts alone."

globablement optimistes aux prévisions tolale-ment pessinistes, mois à narquier les points d'application de la volonté huanaine²⁵. In o sense, thereforo, identifying the end of ideology wos not only to describ the roal world, but also to state a political preference. The genoral perspective links with Aron's critiqua of Marx which begins, crudely put, with Marx'e ignorance of politics, the primory importance of political organization, and with a critiquo of determinism. Viewing the bistory of the Soviet Unioo since 1917 Aron csa conneatt, ou productivity figures for Soviet industry and agriculture, that there is anti-Communism content writings?

An elegaic note sounds in his convertation. Perhaps, he says, his work has been too dis-porsed. Where is the system of liberal thought where are the seeding chereace of Murkish. Where are the ideologies and utopias to counteract its still powerful seduciveness to intellectuals? It is a liberol'a dilemnawhich Aroo has recognized.

He spoko in his Eighteen Lectures on Industrial Society of the value of Utopias as The necessary counterpart to rationalization and an antidote to the disheartening and an autidate to the disheartening objectivity of experis, especially in our tech-nological society." M Aron's work—as a nological society." M Aron's work—as a reviewer nuce put it—is hord. He is a realist in the Anglu-Saxon mould: his compations prefer, the flight of Sattrean fancy. He has admitted the attraction of Marxism. "By temperoment I have preferred reforms to revolution (hut I have made the choice) not without lengthy howstightim. I too, would



cnanmigaers.

Still mare, he suspects, may he wanten possessing renonably high neadentic qualifications who re-lected mathematics or were labriled "failures" at schuil.

The NEC's director, Mr Richard

From there, the NKC began de

reason.

Yet to some people he is a querulos thir shouting but of the slugars of without maism. He himself seems to slip how s dat historical pressimisor. Ho eastigates the Frank for their bree of repeating history can inagleally rather than farcically. They can forget 1848 m 17851: May 1968 was a repair performance in utterly dissimilar drow statues.

stances. Ills judgments nowodays echo Vico su a cyclical theory ut history. "Anyode old concugh to take in at o slugge glace the systole and diastale, the alternation of labb ind scepticism eannat but marvel dat the same hopes, however often trampled, rat still laonch ascults on the same Basiller-still laonch ascults on the same basiller-or on the old Bastilles wearing o period of paint". Perhaps this possimism splane. he darkness of his Bun M Aron Is fur from exhausted. Students Bun M Aron Is fur from exhausted.

But the has gone nerveen exhausted. Student But M Aron Is fur from exhausted. Student Instantiate chough to attend his courses this rear will have heard a new discourse on he Markison of Marx. It is the beginning, he hopes, of a new exposition of the beginning he system " of Marx. Professor Aron Inches of do fur Marx what he recently did for Claut-witz and hay haro his schemes of thought witz and hay haro he schemes of thought though the Chausewitz work will undoubted though the Chausewitz work will undoubted hare here casier.

have liked the truth of Marxison to have shown mo which camp to join and which to anse to serve." by Aron affers no system. Perhaps this "sexplains, as Ghita lonescu suggests, the dindustriel sociaty offered "not a grand syn-d thesis with philosophical pretensians have so of tha age id which relive." A sketch, applied reason, heightened understemling ... thas we

In the second of our series on men who shaped the 1960s Judith Judd talks to Asa Briggs

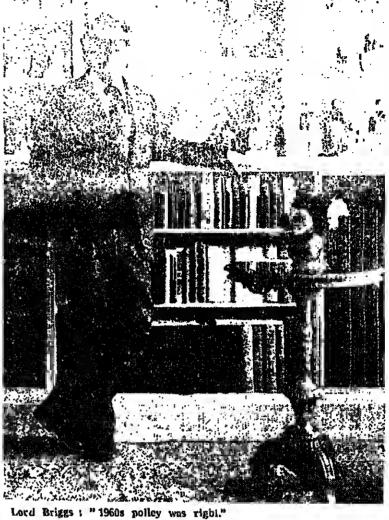
An enthusiast who beat a path away from tradition

lie insists that the new noiversi-iles net and are meeting a real need for university admention moong the country's 17 to 20-year-olds. They provided an opportuality far people with ideas to put them into predee which they would unver-

Lord Briggs, once vice-chaocellar of Sussex University, now provost of Worcester College, Oxfard, might he ched as living proof that the heady days of the new noiversities have given way to sa era of re-treachment. But his progress from dio excitement of Sussex to the divist splendour of the provost's lodgings at Woreester will bear no such interpretotion. "I would not budgs an inch.", he says, "from the view that the 1960s was the right ons. The cum-phasis on combining quantitative expansion with qualitative change was slos right. These are the trow-base points." It is insists that the new noiversi-ties onet and are meeting a real aread for university aducation monog

He regrets, too, the unionization of universibles which hos contrihutsd to the new uniformity, "People ara worrisd about the

They provided an opportualty far people with Ideas to put them into practice which they would uever have received in the older universi-des sod they gave at least some impetus to badly-needed curriculuur them in the single of the intermetical they every university rather than the particulur ones in their own." The is disappointed that miver-states have failed to reform their cumbetsome committee structures and the specialized, that there should be common work in the first es so independent learner and a closer relationship between the tweetsity and the commonst. In the sudies when the new university the first they were underfinenced the first they were underfinenced particularly on the regital pro-tion of student numbers. From the first they were underfinenced the first they were the inter and the first they were the inter entit bulles, to feeling that were had inter they were represented on the bilmsolf moved from Leels to the stablish its own thenily ond the mines that be gave the the first they were the inter they have the first they were the particularly on the there were the states they have the depondent they inter the states they transfer they were they inter entities they be and the states they the first they were the states the the first they were the inter they were they the they inter they inter the states they transfer they were they inter the they were the they they the the they inter they were the bustes. Lord Biltiggs beloved that the curriculum. They had to



would change the system. There has been a development in other universibles which breaks away from whot ives taught in the 1950s, a more experimental eppnooch to courses which hos led to combined degrees, but the changes have not been as great os be would have toped. The combined degrees hove weak-oesses and the universities have feiled to bring the sciences and tha social sciences closer together. He hoped stronger Muks would have been forged between the social sciences and engineering, between engineering and economics. All ere meeded to produce the more rounded type of university education in which he believes.

all the way through the universitics. Even one new university would have had some effect. Seven, he throught, would change the system. There has been a development in other universities which breaks

that academics have loguina retreat. from society as universities have conte under financial pressure and a struate of criticism from oniside.

Despite the expansion in student numbers, he sees nothing to suggest that universities are more appre-ciated thun they were in the 1960s

ciated than they were in the 1960's One of the reasons for the alionation of the public was the student troubles of the late 1960's. Lord Briggs was never one of dome who heliered that by putting new buildings in the middle of green fields you would somehaw produce ofce new people, but the sectoraness of the studeot problem did take him by samptise. "Some of the new universities were mined in their psychological canfidence by continual battles." If the bought ood still thinks that

If thought ond suil thinks that the key to relations between students and anthorities is an atti-tude rather than a formulo. At Sussax he folt disappointed that he could not get students to take a sufficiently responsible attitude to some questions, "Their involve-ment an curriculum and examina-tion questions was nelther consis-tent nor particularly profound." But he retolns the view that students should take part in plon-ning ond finance.

It worries him that they have he-come mors haword-louking. Though he disliked the means used by some to express their foelings about in-ternational affairs, he regrets the passing of the international spirit which inspired them.

His awareness of the universities' roletionship with the outsids world has led to the major chango in his thinking about higher sduca-tion. He has become a firm dis-clpie of continuing education. So much so that he thinks that if uni-warelies were found with the helpin versities were facel will the choice of spending uoney on the educa-tion of 18-yeor-olds or on the edu-cation of odults, be would prefer it to be spent on continuing educa-tion.

Despite his view that too many universities were founded in the 1960s, he would hato to think that the country would hever hove onother university. The part one integration of disciplinas has been slow.
"I think it is because people do not went to bother. There ore some vory comontited ecodemics but it is ulfificult to produce the right pei-tern of organization." The theory of the unity of knowledga was once described as "the vice of Sussex". It is o theory which Lord Brigge holds unrepentantly. Ho le still convinced, too, of the value of the Sussex ideal that unity versities should go out to meet the community. Ho hee never bollevod thol involvement in the community meant the burring of e university's ocodemic role. He fears, however, about the future.

How Austria is facing up to a future like Britain's past

arolmants heve grown et an ever-Unlike the present posilion in Masia, staff numbers have grown is an even fester rate. Comparing 1974 with 1966, posts increased by 80 per cont, while student numbers at the same time grew by only 50 per cost. Money, while beginning to be less available than in the early 1970s, is not a uroblem. 15 not a urohlem

Between 1969 and 1974 the space wallsbie for university use has in-creased by roughly 33 per cent. Building le still possible and Aus-tria's newesi university, at Klagen-lurt, opened es recently as 1970, bringing the total highor education institutions to 18 (12 universities and six "srts" universities, which Emerally concentrate on art or senerally concentrate on art or

Ausse; In other weys, though, the differ-ence between Britain 10 years ago obvious of all, there are no sit-ins. One reason psrbaps is the system introduced ioformally since 1969. With the pssing of the University Stag have been obliged to put it

Austrian higher education is, in many ways, like Britain's a decade go. There is messiva growth and the numbor of students is siready approaching 100,000, tha Egurs pradicted for 1981 by the Organization for Economic Coopere-tion and Development. Betwssu 1969 end 1973 thero was a botal increasa in enrolmants of 17,700 studants. In tha past 20 years, atrolmants heve grown et an ever-tion state of about 8 case ever-

It has meant, for instance, that students have not only been able, at Linz University, to gat an bradequate lecturer replaced but also bad a share in the election of their rector (vice-chancellor).

The fleet rector ever to have been elected by this method, Professor Rudolf Wohlgeonant, has just taken up office this term. Ha is olckup ornice this tenn. In its offer nemed the "student rector", be-causa he was elected not only with their support, but also in the faca of apposition froot the professors. The system, still only fully in operation at Linz, should soon be working throughout Austria.

working throughout Austria. Student fees, another pareonial in Britain, provoke oo problems in Austrie, With the University Fees Act in 1972, all fees for Austrian students were abolished, alchough a nominal fee is still chorged for overseas students (1,500 schilllogs, olout £50) a term for the two terms obout £50) a term for the two terms

obvious of all, there are no sit-ins. of participetion the Austrians hava introduced ioformally since 1969. Organization Act in 1975 all univer-into practice. It is called the Drittelparität, or It party, system. Under it, pro-

which the theory only one opproaching the reaching methods of the dudit is population. Until recently, oversees students, is the only one opproaching the reaching methods of the oversees students, is the only one opproaching the reaching methods of the oversees students, is the only one opproaching the reaching methods of the oversees students, is the only one opproaching the reaching methods of the oversees students, is the only one opproaching the reaching methods of the oversees students, is the only one opproaching the reaching methods of the oversees students, mainly from oversees students, mainly from oversees students, mainly from oversees students, methods, for every the information is out of the question.
They hope instead to control the numbers of students to enter equipacts, and hence the employment problem, solely by counselling and information. By publicing employment, they contrasting entiported in full stricter correlstion between allows students to enter equipact and eubequent job in Austria,
Define the transmission is the opproaching of the problem, solely by counselling and information. By publicing employment, they note course end eubequent job in Austria,

subject at whatever university they please. Thue, in any one year, if there is a flood of students to rood medicine, they must all be fitted in. Aloue omong Western European countries owe, Austrin etill opposes the quota eystem for higher education. So far this has not presented dir ficulties. Unlike British atudents, Austriana do not go night across the contry to university they ing by large open lectures backed togal sciences at Klagenfurt, which combioes the study of e subject with the the orby one opproech togal sciences at Klagenfurt, which togat sciences at

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law; the experiment was coucidered to have failed. "The Government proposed it should introduce new subjects, and said fits teocher training system, which the university had wanted to be fully lotegrated into the life of a school was impreciable

be fully lotegrated into the life of a school, was impracticable. In precice, however, innovation at Klegenfurt is still possible. Dr Franz Kuna, professor of English, said that old habits "lingered on", and thet there was every attempt to exploit loopholes in the low. From all this, it accuss that whet might be needed in Austria at pre-sent is a ewitch in emphasis. Those controlling higher education might

controlling higher education might leave the detail of curriculo and teaching to the universitias, while they concentrate mora on the totel output and matching graduate type to the supply and demand of the labour markat,

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Frances Gibb

Absence makes the tongue grow swifter

Francis Bucon's assertion thin "travel, in the younger sort, is a parr of education" was later can-tested by Lord Chestrefield, Edward Gibbon, Lord Macauloy, John Locke, Alexander Pope and Adam Snith, in became increasingly evi-dent thut we should attempt a more altective evaluation. The task was could ensity be extended. It is per-haps surprising, then, to find that locky we are all Baconians—par-haps function was been and a solution of the two types of place-them thut we should attempt a more altective evaluation. The task was three staff members and a research tellow. We decided to start by looking at previous investigations, but we

inges. The latter would argue, no doubt, The latter would prove, no doubt, that the critics of a century or two agu were investiging ogninst a ruston in the time—the Grand Tour —while thoy, as teachers, in sending their sudents ubrood to improve their langoage skills, are today doing something quite different and nuch more specialized. The target of the course—to be prepared to a suble course—to be prepared to a suble course.

That insy he so, but what they do shave with the corlice critics—and indeed with Bacon himself—is rhe method used to justify their views oud their prortices. All three partier berg divided use

long ages degree courses at lind-ford in the early 1960s, we followed efficient schemes. But restricted one of the established procedures, resources forred us to lewer our and seat our students fer part of their time to courses at foreign more modest enterprise.

Seon dissurisfied with certoin aspects of what was essentially the exchange of one acadeotic experi-ence for morther, we ifecided in French- and C our students inter down concertainty for the community. aur students into closer contact with people of different ages and from mrinus strata of the foreign society, and introduce them to a more totally foreign environment where they would be comparatively isolated from other English speakers.

This, we thought, might he achieved by schlidg them to work in fereign firms and loternational In receipt trans and international organizations, where they would be called upon to use their linguistic skills for practical purposes and under expert supervision, as well as being a positive step in linking inguage studies with the needs of beduety and commerce

Industry and commerce. Thus in Bradford we canno to telk of "sindy-placements" and "work-plocements", and inevitebly we sturted to compare them. And of course we did it in the centurics-

reachers of undern tan- at previous investigations, but we were aniazed to find that almost no work of any relevance had been modern languages

part of the course-to be prepared for and built upon.

method used to justify their views a dimeter in anter instructions sug-ond their prartices. All three partier base their opinions on limited per-sonol experience, on subjective indgments which they hold to be aelf-evident truths. When we first set op out madern When we first set op out madern and their prartices and the instructions sug-operative undertoking. In second logical to look an noise than just two forus of experience abroad and

We concentrated on placentents We concentrated on placentents in French- and Germun-speaking countries, Furthermore, the could afford to follow through no more than two intukes of students. This meant a sample of 108 placements with involved 28 or 34 coppleted meant a sample of 108 placements and involved 28 or 34 completed reses and questionnaires per student. Scientifically ideal couditions were out of the question; we could not have a farge control group to whom we would deny the possibility of going abroad, nor could there he a completely raudom selection of students for work-placements, since that woold put of serious risk the continued complexention of pur

time spent abroad by

student's personal development. Our test data eventually led us to look also of some of the possible connections between per-sonality and imprevement in lan-gauge skills. For of the existing hinguage tests scented to intect our requirements, so we had to start virtually from scratch and devise nur own measuring instruments. Four new speaking tests for French and for German were ulso drafted, pretested and, where necessary, revised to evaluate communicative competence over a range of registers and styles.

Our scarch for existing measuring instruments for personal developused Cattoll's Personality Intentiny (16 PF) and Rokeach's Degination/ Open-mindedness Scale among others.

What results did the tests yield, and relat were our enaclusions? Olivee Goldsmith had summarized our main findings some 200 years ugo when he said : "The greatest

continued cooperation of our in work-placements showed greater foreign employers who, understand-ably, had specific requirements to be mot. Industry and commerco. Thus in Bradford we came to telk of "study-placements" and "wark-plocements", and inovitobly we sturted to compare them. And of course we did it in the centurics-old manner—by the subjective assessments of staff and students.

From our personality measures, the eridence showed that there was a significant shift towards open-mindedness, with the greatest change accurring in the work-placed students, who made a considerable reappraisal of their ideal selves, attaching more importance to being " dependable", " hard-working", " intelligent", " thereat", " adapt-able ", " satisfied ", " inter-mational ", " efficient " and " care-free ". In terms of nethal selves, they reported an improvement in several of these characteristics, lant did not see themselves us more " intelli-

reported an improvement in several of these characteristics, but did not see themselves us more "intelli-gent" or more "satisfied". In rou-trust, the similarity who had been at foreign unircrsitles showed relutively little change in their views of their ideal selves, but they did attach more importance to being "friendly", "cheerful", "tolerant" nud "liberal".

Changed perceptions

In terms of actual selves, they rated themselves higher an the last two traits and believed also that they had become more " warm " ; on the negative side, they considered they had become less "hord-tworking", less "intelligent" and less "sutisfied".

It was interesting to note also that both groops indicated a change in their perceptions of British people, although the change was greatest in those in work-placentents. They saw British people as more "patient", more "depend-able", more "hutelligent", more "friendly" and more "kind", hut "iffentity" and more "king", less "efficient" and more "national-istic", "conservative" and "pre-judiced".

of their experience abroad it was are duing su moch to locress to found that those in work-placements facilities for stody and the found that those in work-placements were more likely to claim a hraad-ening of perspectives and un in-crease in self-confidence. They seemed to suffer less from hardl-ness and arcented more readily the view that experience abroad is un indispensable part of courses in foreign languages. They also esti-nuted that they had spent more time spraking the foreign language and had hern less in contact with marke speakers of Energial. native speakers of English.

As might he expected from any persity

to hunginge reochers.

For example, we were surply in find that irrespertive of type placement or general rompeters; other kinds of oral activity, a p large muniter of students bal. improved in their ability to the with sustained discourse, and the in some cases there was a math deteriornilon. Why should this be so? hi

auch emphasis helog placed at veloping the ability to se abstruct topirs to the detrime die acquisitien of narrating niques

And in the area of perioritvelopment, other researches his shown statistically significant creases in closed-miniedoes of a matism in engineering sudens t a period of training in Britis dustry. Why in contrast should be doginatism scercs of our student of apou-mindeduess after s price in French or German Industry? We have written a full report

un wurk as n challenge, oot at attack on current practices d where. Through it we hope to e rourage others to enter this las tant field of practical loquity. A fine when students' user ratings strators, educationists and land

Languages Centre at Bradford to

Displaced Brechtianism trapped in a tangle of myth and message

Mussolim used to treble the size of the Italian Air Force by having the same ocroplanes fly over and same ceroplancs fly over and over again above the venue of mill-tary parades. The difference between the Dueo's multiplication of planos sud Christ's multiplication of planos sud Christ's multiplication of planos sud Christ's multiplication of fish and loaves of bread is a simple one: the former is his-torically true because it is docu-mented by written sources ond wintesses; the latter is mythically true because it is documented by the lingering prasence of the legend the lingering presence of the legend In oor mind

We may disbelievo the mirocle, but we cannot avoid a partial sus-pension of disbelief every time we quote the parable. Christ's soper-natural action has acquired the paturol status of myth.

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Guido Almansi reviews

live on other myths and other

The evocative power of that legend about the Communa in Europe is still immense, and this is what makes Brecht's treatment of the historical episode in Die Tage der Commune appeor so poor and inadequate. As for the present pro-

And the control of the control of

The Days of the Commune, hunv-ever, is projected against the days of the Commune in an irritating duplication of dramatic and docu-mentary material. We know all the focts and all the onsurers—inrituding Ureche's fintol message which praises and criticizes the nalveté of the leeders of the Commune

and criticizes the naïveré of the leoders of the Commono. The playwright is here st his most didactic and does not spare us any bit of informatien. We pain-folly re-learn every single episodo in the long history of pepolar rebel-lions and proletarion mossacres in Paris between 1789 ond 1868 in o long speech by Rigault, and all the sacred principles of the Commune from the various posters honging here and there. We ussist to many uncetings of the Central Committee and to their interminoble debates.



problems caused by programme recording

mally go uonoticed.

How copyright puts shackles on the teaching of drama

Penny Griffin discusses

current restrictions on

Television is today the main source of muss entertainment and draom. Popular television soan operus have replaced stage meladrama as a focal point for wish-fulfilment, encape, and reliaf frem dangerous demostic and social tensions fust domestic nod social tensions, just as light entertainment hus largely replaced the music halls. As a result televisien and light

entertainment ara now as legitimate entertainment ara now as legiplinate an area inf study os perforotance on the stoge. The Animi report fur-ther reinforces this view: "Never, befora brondensing, have writers been able to engage such a lorge proportion of the population in their work. It may be too soon to ask whether television has produced memberos for a mass sudjence masterpleces for a mass audience which will be repented time und which will be repeated in the come, and compsyable in their own way with the triumphs of the Victorian nevelist: but television sees merce good ploys each year, we wenth guess, thou ever get put on in the lyett End er in off-beat theatres"

(italies mine). Yet oltheugh it is now generally recognized that the bolk of work fer the theotrical profession lies within television, none of this work is legally available fer study to an induction of the profession uninsdiution of higher education un-less it has been specifically ceu-mined in on "educational" pro-gramma, as o result of dic Cony-

To give an example, a collengue was preparing moterial for o course on camedy. He would have liked to compile a tapa with extracts from Morecambo and Wise, Frankie Howard, Dava Ailen et al, te Hus-trate points he washed to discuss about cemic style, timing and terh-niques; he could only use grame-phone records, which give an imperfect impression of comedy and breadcasting.

breadcasting. Students of theatre oud dramo ara dicrofero denied the opportunity to study recordings of televisien

to study recordings of televisien dramo and entertelement. It is often not practicable to watch pro-grammes on transmission, nor is it possible to know in advance that a programme is suitable. Frequently, for example, a particular programme does not occur at the right stags of a student's ceurse. This important has been empired

This impasse has been axamined in the Whitford report (March 1977), but without reforence to the pur-ticular difficulties of studying rele-vision as an art form. Indeed, however reasonable the recommen-dations of the report, they might atth provide an obstacle to scriens study of refevision comparable to the well-established traditions of distarte and film etudies. In studying referience drama and

theatre and film etudies. In studying television drame and entertainment there is a distinction between programmes written specially for television; plays and entertainments originally presented on stuge; and adaptations from novels and other literary works. All three categories offer legininate fields of study. Television requiros its own style of writing, designing, acting and directing; it has a vost technology. Many fascinating artis-tic end oesthetic questions are raised by the transfer from one medium to by the transfer from one medium to auothar, and students should be made scositive to them.

The ease with which video equip-ment can be handled makos it sn ideal teaching tool. It is possible to view a small gesture, a particular comera angle, or e ramarkable picce of editing, as many times os required. In this way it is possible to learn and appreciste many tidogs about television drama which nor-mally go upnoticed.

For example, few drama students a present could name a singlo tele-sion director, producer or designer, sithough the technology of telo-vision, in a simplified form, is some-tide that make a mile tividg that many statents are able to learn. Many universities and

polyterholes have studios and human cast, or "near-braudcast", equir ment; some even have colour facil ties. Students rao coorpile and run equipment, learn to maintain equipment—even to hold h; hut they coood study professional tele-vision in a legal and ordered man-

Lerturers are lonupered in their work. They may not use "off-air" unsterial in the compilation of their courses; their own research is inqueded by the lark of a national archire. The position is untenable and the ntiftude of people working on drama courses varies from "We'll record what we need and use in, and the them end to teeth what we need and use it, to teeth-grinding frostration at an institutional policy which insists that the law be kept.

The present Copyright Art gives broadcasters in ratection ogninst others making copies of theb brossi-casts other than for private pur-poses. It is possible to recard in with the faudly. Presumably (ni-though the law is vague fiero) it becemes an infringement to invite six students to watch it, as this can be construed as a public per-formance. It is not permissible to ask an audio-viscal unit in an insti-tutiou to record a play; or rather prepay it. The "fair-dealing" and educa-tional exceptions of actions 6. 9 and 41 of the Act extend to drama-tie works, bot neither of these exceptions ossist the analy of tele-vision drams as they do net applys to anything "done for the purposa of broadcasting". The present Copyright Art gives

s interesting of the lack of dealers of the lack of dealers of the second of the lack of dealers of the lack of the lack of dealers of the lack of the lacks of the lack of the lacks of the lack of the lacks of the lack of the lacks of the lack of the lacks of the lack



It is not "education" drama programmes that students need to

grammes that students need to stody, but rother drama and enter-tainment from general broadcasting. The oet result of these laws is, as the Annan and Whitford reports acknowledge, a wholesale disregard for beth Acts by these members of the public who possess recording equipment, and by institutions which wish to make a serbins study

of what relevision has to offer. The Whitford cumointoe has made recommendations, agreed by the Annan cumnitice, which attempt to

k to anything "done for the purposa of broadcasting". Another difficulty concerning drama and theatrical performances on television is that, under the or csuit of the Performers' Protec-timi Acts, written consent must be obtsined from the performore is made, unless the film is for private and domestic use only. It is victually impossible to one.

Janet Powney discusses the evaluation of school-based work in teacher training

Pitfalls in assessment of the future teacher

Two current areas of enthusiasin in teacher training are school-based or school-focused work and evaluation. Their interaction questions some of the fondamental ussumptions in the profession such as who does the contraining, its purpose, what is being examined microscopically, and how? Moreover, as with any progression, it is dogged by tradi-tion and its preconcentious.

teachers at school. To start with, who does the confu-ating ? Thousands of hours of colrecommendations, agreed by the ding? Theoremus of hours of con-lage lecturers' time has been spent introduce some common sense intu-in chaotic sitentien. The two most important are: (f) A levy on the sole of will equipment suitable for private recording, to be collected by ro-inliers and forwarded to copyright owners by way of collecting socie-ties.

owners by wny ef collecting sucie-iles.
(2) A negotiated blaaket licen-sing scheme for cdocational institu-tious, commansorate with the use made by each individuel institution. The licensing woold permit both recording and replay, without per-mission having to be obtained from performores in advance. The writers and performers would themselves take a share of the licensing fees in proportien to demand for their work.
This seems fair and scalble; bot, on reflection, it mitigates heavily
Scale to n mere 11 palots. Thiors weuld usually refer to school reports bot school atalf were and performers would institution. The licensing woold permit both performers would themselves take a share of the licensing fees in work.
This seems fair and scalble; bot, on reflection, it mitigates heavily
Mark and a scalble is bot, out reflection, it mitigates heavily
Mark and scalble is bot, out reflection, it mitigates heavily How can very different pincements be equitable?

This combersome assessment pro-cedure is a poor predictor of a sudent's fotura teaching career nor surprisingly, sluce the student, the main participant, is not involved in the evaluation. It also reflocts an outmoded view of the purpose of school basad on hierarchical distinccollage luters) eod those who are known about (students),

I would argue that the separation of theory and prectice, os exempli-fied by separate modes of assess-ment—proctical in school, theoreti-csi via writton examination papers— is an extension of an outmoded view of the purpose of school.

It is easier to see the lliogicelity ef seporating theory from practico in the assessment of in-service work. For example, e reasonable purpose for an in-service course or sories of activities based on a teacher's cur-rent work could be to axtend the rent work could be to axtend the teacher's owareness and competenca in that area: awareness of the theoretical assumptions bohind the teacher's various practices, and com-petence in implementing theories affectively in practice. Theory and practice cannot be vlowed independently; nor eno evaluation be meroly an octivity ex-ternal to the teacher. Besides the desirability of practi-tioners being involved in their own assessment, o teacher's basic com-potence is ogreed by virtue of hav-ing qualified teacher status. Unless there is a need to re-ostabilish this

the demonstrate their increased com-petence in galuing finsights into

petenco in gaining finsights lato their classroom practico and the theory behind these practices. Parcaption of these theories and practices gives the teacher tools for change, for extending and revising skills—not as required by en out-shile observor or assessor but based on personal judgment and experi-ence.

As I see it then, the more genorel problem for those conceraed with evoluating ioscrice work of this nature is how best to generote and monitor methods which halp taschers to galu insight into their own almetion, which is unique. This uniqueness must be true of oil school-based work. Including initial troining--the problem of a Surrey convent compared with a Poplar comprehensive.

fessional storus is at stake and the institution running the course is the guardian of the gate to that profession. Therefore although it may be desirable for students to make a critical appraisal of their classroom performance in the light of their theoretical insights and comments from teochers and school visitors, competence must be seen-not left as potential.

Any attempts at integration of theory and practice, at least in fultial training, should neither rely solely on the students' own cydnation nor depend solely on compe-tence as demonstrated in physicable practice only. The evaluation of the integration of theory and practhe integration of rhenry and prac-tice therefore remains unresolved. The problems bighlighted so far have been intended to reach out to the teacher's total artivities in school, not joat to proctires within classroom wolls. There are dangers thor school-based evaluation might become limited by traditional con-cents cepts.

Assumptions are made by the profession, by parents, by Great Papers, by local education authori-ties that teachers should be in-vofved in occlivities outside tho



"And if that happens again Wlikins, I'fl, I'li-if you'll just bear with me e second-I'ii...,"

immediete learning/modeling envir-

In that area: a wareness of the thooretical assumptions bohind tho totacher's various practices, and competence in implementing theories affectively in practice, and practice cannot be viewed independently; nor can evaluation ba maredy an octivity oxternal to the teacher.
Besides the desirability of practitioners being involved in their own assessment, o teacher's basic competence is a need to re-ostabilish this bosic competence by limiting theories a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach, nnoiber method of evaluating encool-beaed work is a licaoce to teach individual hes over individual hes encool-beaed work is a licaoce to teach individual hes encolors' professionol etauling and at the same time focus on the teachers themselves to on on the teachers themselves to the attribution widel her elationshipa batween school, the relationshipa batween school ond soclety, the coustraints within widel her encolors' responsibilities.
Beroldene compounded to the individual teachers' therma the regred compounded to the structure of their school and soclety. The coustraints within widel here to be aware, for example, of the structure of their school ond soclety. The coustraints within widel here the there here the socher's there there there there there there ther teachors' responsibilities

Probleme conto when teachers may out of their traditionol role, which mey have been the only one covered in their troining. Teachare have been fairly accomomous within a class and possibly unconcerned or at least ill-informed, about what or at least lll-luformed, about what goes on outsido the closs-distribu-tion of cayitation allowance, the role of menagers, the purposes of i.o.a. essessment procedures. Con-soquently mony tecchars fooud themselves lii-prepared in the post-Bullock fremzy to write up policies for reading and may be olmost os imprepared for the ouslanght on the curriculum of the school which le now imminent. le now imminent.

The author is head of rescorch and development at North East Loudon Polytechnic's department of aduca-



Morecombe and Wise i must their screen antics be lost to Leaching and remorch ?.





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Popularity polls and public spending cuts

of flotsam left over from the time cuts in the eyes of the Government. af trauhled campuses in the United Mr Callaghum and his colleagues States is a carloan strip called Yale student paper and now appears full employment and better public In newspapers right across America. services on the one hand and on A few years ogo one of the pro- thu other futter pay packets thor nument characters was the "Mancy those what can find work) they will Czar" (a thinly disguised William Simon) who planned to beat Inflation by "money rationing". His plan was that people should only be nllawed to cash chemics on

Mancy Czar fnces a hostile press conference, ffaw long will money ratianing last, he is asked. He replies: "Until we have checked the recession in the President's popularity polls. We are holding the economy hostage."

The world of Dooneshury fantasy and the world of Whitchall fact are not so very far apart. We toa have a Money Czar in the nerson of Mr. Healey. We too have mancy rationing, first in the form of public expenditore cuts and secondly in ing. Even the motives are similar. The present policy of rationing publle mousy (and its vote-winning corallary tax cuts) will probably be maintained until the Government feels it has emorged from its own papularity recession. In the meantimo social democracy-In Ita 1960's senso of the creation of a more just and a more equal society mainly through the mechanism of high public expenditure—is being hold hos-

There ore two reasons why the broad questinn of public expendi-ture needs to be discussed at this time of year. First, it is in November that the PESC (Public Expenditure Survey Committee) cycle reaches its climax and firm decisions about the level of public expeniliture next year-and less firm ones about spending in succeeding years-are taken. Secondly, it is lu November too that the first tentntive indications are received of how last year's decisions are

of how last year's decisions are working out in practice. A year ago Tha THES wrote: "If public expenditure In general, or spending on higher education in particular, is cut, it will be because we so choose, not becauso we have no cholca." At that time many people, disputed this statemeot: we dislike cuts In public spending as much as you, they argued, but there is oo cholce; the alternativa is national economic collapse, The evanue of the past year hove proved them wrong. The budget deficit has turned out to ba much lower than expected which indicates that many of tha panic cuts moda ovar the past 18 months were not necessary after all. Private investment remains sluggish in splte of lower luterest rates and the lesser demaod for funds from the Government.

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One of the mare entertaining places strengthened the palitical cose for seem to have decident that if the Doanesbury" which started in a people are forced to choose between be mlawed to cash chemics on the nearest mong the Labaur Farty alternate days depending an ins to a ruling principle. There whether they were born an and day of the month. In ano particular epismde the Callaghun should be careful than he Maney Cyar forces a hostile press. is not their unwitting ally. The second is that in a mixed economy such as Britain's taskay the private and the public securs are so intermingled that any pulicy which rests no the assumption that there is n

sharp diclutomy between the two is unlikely to succeed fur long. to the inunclime future nothing much can be done ubout the cuts. But the real target is not next Janu-ary's public expenditure White ary's public expenditure White Paper but public upinlan. The development of the welfare state lin which it is not entirely unfair to include the expansion of higher the shape of cosh limits—which in practice can operate as more af a lottery even than the Money Czor's plan for alternate day chequo cash-ing. Even the motives are similar. oxtension of public services that prevailed in the 1960s. The leval of future public spending will be determined by the otore negative public attitudes of today. In this respect the position is a little hrighter than it was a year aga. We have escaped from Mr Healey's cconomic determinism about public spending : with luck we may be able to escape from Mr Callaguan's publiced determinism os well. pulltical determinism os well.

There remains the more imme-diately relevant question of hnw lost yeor's spending intentions are working out in pructice which is the ollier reason why November is cation of cash limits to university grants—polytechoics and colleges ara protected from the full rigour of cash limits by their more toc-tuous financing—has produced con-fusion and reduced public account-ability. First, it has made sensible planuing for the future, or even for the curvent ware curvened.

unings who press wage claims with different degrees of success or oven bankers who mark the value of tha pound up or down for good reason, foc had reason or for no reason, pound up or down for good reason, for had reason or for no reason, at all? It can be argued that the sacond group is just as influential in fixing the real level of public support for higher education as the first in a time of still rapid inflation. and undar a policy of cash limits.

Thera will always be deep politi-al divisions abaut what proportion f the GNP should be devoted to tor tunds from the Government, Unemployment has remolned high in spite of, or rather because of, tho cuts in spending on public services. So the straight economic casa for cuts in public expediture looks much weaker today than 12 manths ago. Hawever, the approach of a general election seems to bave

LETTERS TO THE EDITOR

Anomalies of the new fees

to both hume and overseas students nlike and my own university in nut to bath home and corresens students. It should surely not be impossible nlike and my given university in and alone in hoving gone an record in forcour of moving towards the believe to be impossible for the Department of Education and Science to ochieve a submion forour of moving gone an record in forour of moving towards sho abolition of fees. The following points can be made in farmer of a capid abandonment of the "new" sysiem.

First, the overseas student, inv-ing gained his place an neadennic merit, not unnaturally wanders why he is differentiated against in terms of for those who can fied work) they will chuose the second. In the short term he may be right. But in the medium to long term he faces two difficulties. The first is that the extension of the welfare state is the nearest thing the Labour Party the nearest thing the Labour Party

Althaugh the farmer of these two propasitions is mare likely to be true than the Inter, we have sa far failed to produce any means (cs) which has not enused hardship and Inequity mung hame stolents-hnw much more difficult would it be in operate any fair system of differentiatian for those from overseas ? The willingness to accommu-dute averseas students in our universities uns once regarded as a source af guadwill—It is rapidly becoming the reverse. Secondly, the propurtion of over-

seas undergraduate students is not high overall and faw universities would wish to reduce it, fur both averseas and home students benefit frum the meeting of columns which takes place. Our universities select gestian af quatas an ximast impos-sible approach to operate. Thirdly, another major ristially of

is the home-based, self-financing unstgradume student for whom the fee is now prohibitive. Many dis-ciplines which are impurtant to our national future are now mubble to attract sofficient home students while, in ablithin, the research sup-pair available through the research cnuucils has suffered because of the higher rates of fee new payahle.

Pauribly, there are still uverscus unstgraduates prepared to muler-take causes in this country, but thu invs when onlyershies might accont ability are inug past. Most naw operate rigamis selection procedthe ollier reason why hovember is nn important month in the public expenditure ycor. Here we run snvaight into cash limits, the Treasury's panacea for controlling public spendiag. In fact the oppli-cation of cash limits to university cation of cash limits to university cation of cash limits to university moreover particularly true in cagin-caring—sn area in which both the Government and tho Science Research Council are currently

attempting to encourage interest. Fifthly, whether or not the abave arguments are accapted, the uncer-tainty to which all solf-financed

to stress that the universities cor-portately have already absorbed a considerable cutback in resources resulting in hardship for both staff and students allke. In all of this he student have in the matting of this and student student staff the student body is the most vulner-ahle, whether through direct finan-cial pressure or reduced facilitias. Colleges, Bulton Technicul College.

Penang University

Siz,-You have recently carried advertisements for a considerable

Sir,—Yunr welcome lemler on pre-sent Government pollcy in relation on mirersity fees draws mention to a number of the inadequaries of the same institution, the least they should be entitled to hope for-they non-present single with, as being able to runuplete their courses without a rundeal change in "the rules of the game" half way. It should surely not be innovible Sir, - Duder the uniceably units patientic headline "Professor God' ducks out of BSA "your correspondent Sue Rebi (*THES*, Norento 11) reports that Gould "has refuse by interest before the professor by appear before the profession whites commutee af the bin Sachdagical Association to disc for the continual emsion of the function of the continual emsion of the financial stability of the universities has left them in a position where there remains little ability to offset the uncertainties and inequities of Government pulicy. Yours sincerely, G. D. SIMS,

Vice-chancellor, Sheffield University.

Sir,---I have noted, with interest, the ceport, "£120m Whiteball package ta nid poarer nycrscas students" (THES, October 14). The problems facing these students are indeed neute, and only due to the enorfee increases in which they have been exposed, but also because of the indifferent attitudes of some of their spansoring governments.

Sympathy with these students (a number of about 75,000 was mentumber of about 75,000 was men-tioned) should not cause us to neglect the plight of the 200,000 or mare mainly indigenous students attending full-time non-advanced courses in our colleges. The Secre-tary of State is sold to favour n policy of positive discrimination in favour of poorer aversets students. I wish she would do something about the positive discrimination anoing the positivo discrimination against uur nativo full-time surdents attend-ing courses for which there are no mandminev awards.

Many of these students are in the do not receive free hours and stado not receive free books and sta-tionery, receive on travelling allow-ances, have to provide their own aperators relating and equipment and, in many places, do not receive enneessboury meals. In some, but um all, areas they do qualify for secondary school maintenance allowaters. allowauces,

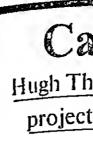
Those wyer 18 an envolutent have to pay fees in addition and do not publify for secondary school maintenance. Recense any awards recrited are not multilatory, they acc subject to indiscriminate cuts or discontinuance without notice, so that a student embarking on a two or three-year rourse has no guaran-tee that an award for the first year will be contianed subsequently.

The contrast between the treatment both of the mandutary award scudents with nue GCE A level and of the 16-year-old student with no qualifications who wishes to siny at school in the "new aixth form" and the treatment of the nonand the treatment of thu num-mandatory award student in fur-ther education with equivalent or hetter qualifications is quite lu-dofensiblo. The situation is unu-mado worse by the gronts payable through the Troining Services Agency to young penple of the same age groups utcuding TSA sponsorel courses.

tions on his behalf, the executive committee of The British Socio-logical Association has decided to "black" oll posts in sociology in Molaysia until Dr All is either released or brought to trial.

I would be glad to pravide further information fur anyone considering applying for such a post. Yours faithfully,

KEITH KELSALL, President, British Sociological Association, 13 Endsleigh Street, London WC1;



d fact Lewis, professor of anthropology at 5 de University of Illinois, became fomous 6 the 1960s for a number of studies of life (Children of Sanchez was Mexican the glost famous) in the churse of which Neither they, oor he as the nost faminas reconstructed taped parently, you seen it see the very cleverly reconstructed to him Neither they, our he, as he very cleverly reconstruction in the opparently, you seem to see as herviews with people who talked to him the properties of the list o impropriety, and that the of possible offence is that of fabe remarkable body of paragons?

The BSA have been, as it was proposing to charge Gould with the body of paragons? The BSA have been, as it was proposing to charge Gould with the body committee at a trial which hever tonk place. This whole po-techarge charge sorely suggest rather on e sharnty town, Las Yaguas, which Lewis had visited in 1946 and 1961, though by 1969 the families who had lived there had been moved to new alount can scarcely be the generation alount can scarcely be the generation to the started to the generation alount can scarcely be the generation to the started to the generation of the started to t The size of the operation was large, and bousing estates ilistributed throughout about cart scarcely be the endbid-ing and matonining of the higher possible standards of devotors (rith and fairmindedness? Havana: Los Yaguas, a slum of 3,000 mostly black people, with hmises built from the pain hark from which the place originally took its name, had been razed to the ground.

Yours sincerely, ANTONY FLEW, Professor of philosophy, Reading University.

Scottish postgraduates

BSA and Gould

the 'numing of names' in his

troversial report an Marxin ; flacences in higher education".

Sir,-Mr Hector Thamson ITHS November 4) sees differing form entrance requirements at m more postgraduate students has Glosgow University. I must say as although there are a number obvious reasons for the different that one had out necured to me Universities, as mitonomeus i stitutions, are free ta frame be formal entrance requirement a they think fit and the University of Strathclyde is proud of its operation of the significant and of the significant and loers of mature students a ochieve high stundards in their

Mr Thursten shuld not confus All throuson shulld hot concor formal entrance requirements with nettoril catraneou standards and in any case. I would have thought that it was thu standard of the erec-that any catego that mattered table that any catego languestions of erthan any general lapressions of en

Mr Thomson has reed much Mr Thomson has reed much more unin David Walker's words more inthe David Walker's words in the intractions of Gasgor Un-versity than I am sure was inte-ded. The point being made was that nunst students residing in the Strathelyde Regime of the one of that nust students results on a Strathclyde Regin go to one of the local universities. In this rese it is true that the two universities ingenhor schop the local god as fur as universities elsewhere an

concerned, Yunrs fuithfully, DAVID MORRELL,

Registrar, Steathelyde University.

Lecturers' pay

Sir, At o time when the Aimin tian of University Teachers is com-puigning to persusde the Govern-verapeut to be a little mate a vertubent in be a mus. as generatis in its response to the salary claim, it is interesting a nute that the Ford Motor Company inter that the Ford Motor Company college-based sandwich students. This content that understaduate.

has published its sates college-based sandwich sudents. This roads that undergradent students, age 21, will receive (337, per sonum, plus fringe benefit per sonum, plus fringe benefit per sonum, plus fringe benefit such as subsidized lunches. In versity locurers who see an balt (3,333, and in many cases at responsible for visiting and use to students working at feet ing students working at feet ing differential appears to be ridicaluus acamaly now that it Ford Company is funded parily tha Government (taxpayers).

J. f. ANDERSON, Department of management shit Lougibhoraugh University

Castro's children Hugh Thomas discusses Oscar Lewis's last project and the light it throws on Cuba today

After a time, however, the project rnn into difficulties. Some of the peuple inter-viewed hat harsh things to say ubout the Revolution, and in particular a certain "X", whose account was inter confiscoted (and therefore cannot be published). approsched Lewis independently and vented upon the initiality outputsts: all his harred of living in a suinhouists: all his harred of living in a suinhouists: atc and his lave for the USA. "X" was atc and his lave for the USA. "X" was been upon the initial family in a source enumber in the Revolution to make it seem worthwhile to privote his cose. He also tulked about the privote leader. life of one unnained revulntionary leader. This led to Lewis's unwufall. By then his chief contact with Cusiro, Dr Réné Valleja, Costro's dactar, had died, Castra was unreachable and the pulitical police were hecoming highly suspiciaus : K. S. Carol and Réné Duiuapt, wha had both jeneBred from Castro's faynur in the early 1960s, had just published bonks which criticized the direction being taken the Revalutian and " X"s depositians tre obviously likely ta he emborrassing. "Project Cuba" was therefore hastily and up, thaugh fortunately Lewis had already sent o lot of material bock ta the SA. Subsequently, both Casira and his other launched attacks on Lewis-and adjrectly on orany of the rest of us who issued Cuba in those years: the first Mathemal Congress of Education ond Culwe in Hayana in April 1971 called an Government ta "establish o strict m for inviting foreign writers and fellctuals, to ovoid the presence af mons whosa warks ar ideology are posed to the interests of the Revalu-

"by you knaw It", Castra sold at the Wile of ibat cougress, "bourgeois intelthe CIA and Intelligence services of perlalism ... you will nat be allowed come la Cuba. ... Our doars will remain used, ladefinitely, ad infinitum". Appliwas also denanneed as reactlanary shame-faced", and Raul Castra tied Lewis as a secret agent, alang a several other " soelologista, prafes-hewspopermen, sallors and laurists ". teo the unfattunate "X" was in on-farm, culting came, na daubt feelins lucky ta get off so lightly. Lewis insolf died in December 1970 of a research ossistants did ta the tapes what be thought their lost leader would have and the result is a mast interesting worthwhile collection af starles, which width there are a starles. ch vividly illuminate the private life the Cuban Revalutian.

Four Men: Living the Revolution. Au tal History: of Cattemparary Cuba by four Lewis, Ruth M. Lewis and Susan Rindewis, Ruth M. Lewis and Susan Rigdon, University of Illinois Press,

This volume, the first of three, is constructed around the lives of four men (From Womeo is expected to appear sown). The first subject, Benetl, was nearly 70 when Lewis and his team interviewed him He was (is?) a black carpenter and president of the local neighbourhand committee fur the defence of the revolution to neighbourhood galvanizing organization) who had always been fairly Interested in politics, being associated with the old Liberal party when young and with the communists in the 1950s. Experienced and philanthrupic, his long and interesting autohiugraphy suggests that he was the sort of man who, in the end, when sex hill ceased in be a devour ing passion for him, would inevitably have turned in guilitical management of one sort or another : os a retired colume

might become a magistrate. Alfredu Barrera, in his mibble thirties when interviewed, is a mulatin plasterer whn was snn nf the old mayor nf Las Yaguas hy an Italian immigrant. He oined the Communist party in 1956, supported the carly expropriations of the Revolution but turned against it fairly strongly after 1967, when all small businesses were forcibly closed thown and the economy became an entirely state concern. He has become a voluble critic of the Revolution while admitting some of its benefits. For example, of Custrn he says that: "People's eyes have been opened by his unfulfilled promises. He's heen cought in the net of his own lies (page 209). (The publication of Four Men will surely damage him unless he has already suffered for his assertions, bitter for resumably read by the politi

Nichnlas Salazor, a white pellar, pimp and kitchen worker before 1959, became o steady worker for the first start after the public health far hls local defence cam-mittee anil, where Benedl has obviously hecome something of a leoder in the revolutionary institutions, Salazar has became un efficient and competent, and no less essential, cog in the works. Finally, Gabriel Capate, unlike the

other three, came from a small town in the country and had no sense af helonging ta n neighbourhood that the other three had. A waiter, who cloimed (fnisely) to be closely related to the exdictator, Batisto, he worked consistently well in his joh and was early an very euthusiastic far the Revolution. Far a time he was even a member af the Unian of Young Communists but he resigned when that organization asked him ta go to the cauntry to cut cane and leave his family in a rotten one-roam flat. (Afterwords, however, he left his wife for another woman.) In the lust year ar sn hefare 1970 he became rather critical of the Revolution's burenucracy, though less emplittered than Barrera.

So fur as personal lives and heliefs are concerned, this voluma produces o lai evidence for thinking thot, despite what has happened on the surfaca, tho turbulent yoara of Revalutian hava left people much os they were. It is surprise ling to find Osear Lewis as a De Tacque-ville of the Cuban Revalution, hut ho leaves us doubt that in the new housing estates, as in the ald slum, sex is the driving, dominont absession af nil and sundry. Nane af the men and few of the fuithful for lang ta their campanians, all the marriages break up, quarrols and fights aver wamen ara cantinuaus. The personal quarrels and lave affairs cauld hava been abridged with banefit,

Then it is interesting ta bc assured by this boak that Santeria and the flosta o the Pala (stick), Abncha and ather Afra-Cuhan, half-Cothalle, half-African culls survived virtually unchallenged in 1970 thaugh at that time the difficultles of finding chickens far the ceremualas in Guanabacoa, just next to ald Las Yaguas, were described ta me as intense. Communism amang some has simply meant that there is ao extra delty : Lenin goes ngside Santa Barbara and Yemaya. 1º I have o bust af Lenin, an altar to Yemoya ", says Benedl.)



Coban propaganda picture of an agricultural caoperative.

Most of the men who come into this book have, despite many heneficial changes, a very determined (and un-changed) belief that women are nhso-Intely inferior beings and Capore is strongly racist. The charms of life in the old slum are vivilly described by Barrera, though he is admittedly a bolshy per-sonality (as he would have been described before Bolsheviks gnt anywhere near power). He recalls with unstalgia the number of little cheap restaurants that there used to be, the variety of types of rice, coffce, vegetables and so on. In a particularly important and interesting chapter (chapter six of his story) Borrera says explicitly, "we don't eat as well now as we did heture the Revolution" 1page 244).

The Gavernment has given work, health, education; all those interviewed acceptional, Durshe fact needs in he faced that despite much unemployment ond underemployment, most Cubnus before wera not of school age ; and mast Cubnus were not ill. Thus for this majority, the Revolution must have been a mixed blessing in many respects even thaugh they would acknowledge and on occasion urafit fram the new health and education services. But same people wauld prefer a canstant supply of good vegetables ta the pramise of injections when they get ill from under-naurislument : others just liked the old sweet patatnes which, like very many ather good things of the past, such as hars and cigars, are few and far belween. "It seems wherever Russinn iron inuches a piece of land, no mare aweet polotaca grow on it", says Barrern. Another consistency in life hefore oud ofter the Revalution (a pnint made implicitly not explicitly) is this : either before or since 1959 no one has my sense that low should (or could) be samething dlffarent fram the state. Before 1952 palitics was quite an aujoynhile game for a few kcen people but, both under Batista (1952-59) and since, nabody regrets that game very much. At least, not amang the

populatian af Las Yognas. Nar daes anyoue have much is say about lang-term political matters. Na ana even hazards the speculation that It might just possibly have been wrang to emphasize sugar so strongly in the naw economy (which thus turnad aut not to ba ao new ofter all). T daubt whether such peaple's tangues are quite sa sllent now. In respect of Costra's intarventian in Africa.

Lewia's selection. These people ara in uo way "representativa" of modern Cuba In the exact sense of that ward, for Prafessor Lewis secus ta have chusen tham as athers might chaosa o porson ta ask the way from : thus he chanced to meet Benedi in 1961, "a fascinating ald negro wha speaks fluently and with wisdom and. dignity. . . . This man was a wonderful character. I enjoyed him very much and felt he wos a capital subject for a life hlatory", But presumably Benedi talked ta Lewis in 1969-70 bocause he wos the man in control, os president af the defence committee. It is not clear how the others were chosen; "familles that represented different sacloceanomie levels were sought aut far study; athers were onet by happenstance ".

The four men in this bank would peakably represent themselves as heing respectively 90 per cent in favour of the Revolution (Benedi), 80 per cent in favour (Salazar), 80 per cent against (Barrera), and (Capore) about 55 per cent in favour. Remembering that Lewis's team was helped by a numher of Cubans lunst of whom were members of the Communist Youth) und bearing in mind that, except far the indiscreet "X", apponents of the regime would probably be less likely to collaborate and talk than friends of it, a cautious observer might gness that, in 1969-70, the Revulution hud the enthusiaslic support of about half the population. That is my own dnuhtless superficial indentent after last heing in Cuba about the same time as Lewis. But I wault freely admit that that is a subjective and artistic not a scientific judgment, just as Lewis's selection of people to interview laoks like deriving from the Instinct of nutist.

ALC: NOT

"The government has asked too much af the people' is Borrero's judgment, ' everyone distrusts everyane else because nobody knows who's in favaur of whot. and thera have been many cases where a moller has betrayed her san ar a man his brather or his friend". That remork Borrera's lpoge 2091 scems to me likely to reflect the truth af what many people us a whale think in Cuba, since after all it is known that the number af palitical prisoners ore legion (that subject is scarcely mentianed here) and if such o thing is said by a poor mulatto plasterer who was ance a caminunist, then it will certainly be being snid hy peaple who were once middle class (abaul whom this study explicitly was nat, but who do have a right ta views). But I have no evidence af that and many people would answer, as Salazar would : "Sure there's still poverty under Fidal, but poor ignorant peaple aren't ireated like mimnis", or paint out Benadl'a : " as far mc, I'm completely in lava with this Rovalutian. In love, in love, in love.". Well, he should knaw, sinca by his own accaunt, he's had a greot deal of experi-enca of love. But then same of his ather vlaws ara irrastic mid do not suggest he quite so wise as Lawis first thought. Delinquents would not like to live in o stnie where Benedi wos dictator : "I'd advise Fldal to have an incinerator dug Same daubts must attach, as they did about 40 or 50 metres deep and every with Childran of Snuchez, to Oscor time ane of thasa obstinate cases come douse him with gasaline, and set him on flre."

> Castra was, af caurse, quite wrong to supposa that Lewis's findings wauld anly give camfart to enemies af the Revolutlan, but they must certainly give soma comfort to them, even though mony of the findings ara quite positive. What the regime will find hardest to credit perhaps, ia that, aven among these poor peaple, as Benedl admits, there is some laaking back in the new housing estotes ta tha old sluins and there has been some lass af community spirit : in Havann as in Liverpool. Perhaps, however, thot is a purely male view. Thore, as in ather respecis, Four Women may have same carrectlana ta make.

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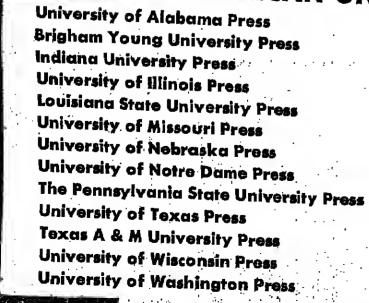
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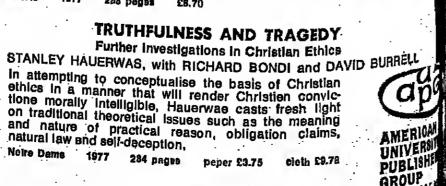
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Poem-by-poem

Thiers that would sustain such on undertaking. D'Eichthal was only one of a num-ber of muchle breach social cam ber of non-ble French social com-mentators who came to Britain in the period 1815 to 18.00 with the intention of abserving the holus-trial Revolution and its impact on society tamong these were lean-lightiste Say, Shounde de Sismundi and Adolphe Illongul). The prob-laws of Aurio-Drench understand. suggestiveness, especially of into-gery, together with clarity of sense the combination of direction and indirection so as to respect the elusiveness of truth.

These six features are said to derive from three main sources: Tennyston's intealist view of the world, his view of words as half revealing and half concenting what revening and nun concerning what they express, and his personal long-ing for stable identity. All this is yell said and is supported, though rather indirectly, by the main body of the back. The analyses often take the form of remains comment and an append

of rounting commentary an a poem which is quoted uoly in phrases which interpretative exposition; the reader will need both familiarity with the poems and the text open heade him. Many of Shaw's choose of the provide with the neside nuo. Many of Shaw's observations are extremely ruluable,
 especially his discussions of non-s fluite verbal forms, self-embedding syntax, symmetry and pretic closure. The analytical ferminology is oupretentious and clearly explained. Interesting now opphase are efforted on source cheaply explained, interesting now emphases are affered on several major poems, though one feels blan Shaw is sametimes pressured by his commitment to the virtues of ia-direction and clusiveness to disdirection and ensiveness to ors-cover indetorminacy where most readens see oracular olimaxos. He is perhaps insufficiently receptive to Tennysou's muscular approxistic statements; in many poens there is a developmental rivitian created by noments of achieved insight by coments of caperlentia

uncortuinty. The disappolatment of Tempson's Stple is that it fails to coloo to grips with—barely onendous—per-sisteot criticisans af the kenyuage of Idells of the King. Shaw has an enviable gift for impressionistic criticism, but this sometimes leads him into extravagant and undemon-strable glosses (this is no book for linguists). On Idells of the King this temency takes over, together with interpretative expatibility difference offied by phynases from Yeats, Frost, Pope, Word sworth and Jehovah. Take Balin's reaction to the intiuncortuaty.

Take Balin's reaction to the huti-macy of Lanceloi und Guinevere : "Queen ? subject ? but I see not

what I see. Domacl and lover? hear up

Donased and lover? ited unt what I henc." This seems to me ooly niequate as au expression of profound shock-tio structure is toechanical, the tone is flat, and what kind of word is "daussel"? But Shaw con-toeuts, "The horror of discovery is at first too traumatic to permit detachment. It is expressed in frog-oneated questions-Queen ? sub-ject?' Thansel and lover? --which are quickly distanced by two

echievement on dis puint. Sbaw's malyical skill elsewhere in Termyson's Style suggests that he could heve contributed powerfolly to the debate about the strengths and weeknesses of the lupis---his discussion of Tennyson's idealism in connection whithem is certainly veloable---but his determined en-thusiesm underatines his critical sense. This is a stioulasting book which could have been better.

Alan Sinfield

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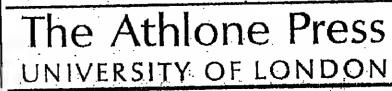
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Language description

ferent notions of a generative gramsplendid antidote to a surfeit of Chomsky: the Russians had beaten the rest of the world again and transformational grammer was a product of Soviet Linguistics, Now, apparently, even this pseudo rivalry is ovar and Shaumyan is working

This most recent volume af of all linguistic communication but the senpe of this study is licented but to only a very few aspects. There is us emphasis on one porticular fea-ture of communication, nonely that part of the process in which one und the same message can be exall linguistic communication but part of the process in which one und the same message can be ex-pressed by different schences and the same sentence cun express dif-ferent meanings. Given this self-impused limitation in scope, Shumi-yan produces a finely grained analy-sis concentrating and description of sinue of the possible ways in which thought and meaning are expressed in language.

described using an nullogy from biology: a genotype and a phema-type language. The genotype is the essence of all innural languages con-taining highly ubstructed hypotheses about general semioric properties, linguistic universuls and a system of rules. This volume devotes much of its space to a close consideration its space to a close consideration of the nature and abstract form of the genotype which may be divided The primitive ond expressive forms. The primitive form has a direct cor-cespondence with thought so that the hought is (can only be?) copre-sected unombiguously. The expres-sive form derives the actual language and can be (1s?) embiguous. The expression of a state of some

The euthor is at puins to muka very elenr from the unitsen that bis model of genotype and phenotype longuages is not to be confused with deep and surface structures. There are no such energonius community are no such ene-to-nuu correspond-ences with more orlinodus genera-tive grammecs. For exomple, the genotype language models boilt ika semantic deep and surfoco struc-ture and specifies the processes by which e semantic deep structure is mapped on to e semantic surface structure. The difficulties in apply-ling terms from TG to Shaunyon's model are cloac and hu rightly deve-lops his own terminology which, eltilough complex, is cansistent with his desire to explain what he sees ax fundamentally new concepts are no such ene-to-nuu correspond

Applicational Grammar as a Senon-lic Theory of Natural Language by S. K. Shaumyon Edinburgh University Press, £8.00 ISBN 0 85221 076 7 In the 1960s Shaumyan's rather difnf categories, or, as Shummyan prefers, to describe the defining charactoristics of natural languages and to evaluate the consequences of those characteristics. The method Shaumyan uses of establishing the categories, and drus the natore of the genotype, is derived from the hypothelico-deductive method of

national sciences. This most recent volume af Shoumyau to be translated into Eug. lish is a further contribution to the development of bis semantic theory of language premised on the opera-tions of an application rule or The objective of a granumor which contains an opplication rule or operation is to explain the process of all linguistic componnication but of But the book has, it seems to me

which thought and meaning are inguage. The relationships between thought, meaning and language are described using an analogy from biology: a genotype and a pleane type language. The genotype is the essence of all manual language conis clear, there are other ways of purceiving that particular situation —"The boy was frightening the dag", "the dag was playing with the boy", "the small dog suifed the big hag" of

the boy", "the small dog suilled the big buy", etc. Shaomyan is probably right in implying that a speech commonity shares a number of commonly ogreed ways of looking at the world, but there can be na "thought standards". And whea it is cemem-bered that all nutural languages no at the University of Chicaga, has for many years been a unjor figure, fomillar to social scientists an bath sldes of the Atlantic. He has been a regular visitar to Britain, Hest during the war and then afterwards teaching at LSE, Mauchester and more recently Cambridge. His interests as a socializit have been widospread, thrugh with certain centrol connecting thrunes, one of which is well campit in the thie of this festschrift. Early in his cureer with Lauis standards". And when it is cemen-bered that all nutural languages no to provide the universal linguistic categories for the genotype, the prulien of recanciling the linpi world picture with that of, sny, the Frisian Islander makes the concept of the genotype psychologically implausible.

huplausible. For all that, as a study of lin-guivtics this contribution by Shaum-yan is considerable. It is a truly delightful and provactive account of a highly pooltentatic area of languago and description. Shaum-yan writes powerfully and well on the construction of the genetype-persuasive yet logical. This is apparent even is trenslation which is e good one os fac as I can tell. The chapter on the methodological bases for an applicational grammar is e ploasure to read and reread-tilluminating as it does a series of ulificult concepts central to his description. Sinclair Rogers

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A flair of the Dog ; Irish Drinking and American Stereotype by Richard Slivers demosityanio State Palversity Press, £10.10 ISBN 271-01219-6 One of the must sensitive and difficolt of socialized tasks is to unravel the relationships between a

revailing culturel storeotype and the support this screetype and to support this screetype. The highly publicized denote over 10 oud race is an obvious recent example of this problem, In the study of deviance, sn-colled "labelling theory" has lent liself to a somewhat confused dehate about whether the properties attrib-

BOOKS

uboal whether the properties attra-need to various deviant groups are real or somethow artefacts of society's dominant reaction. To secount both for the origins of a specific form of deviance and for the reactions is evokus are hard

University of Chleagu Press, f11.25 ISBN 0226 04222 7

Edward Shils, professor of sociology at the University of Chicago, hus

nt this festschrift. Early It his cureor with Lauis Wirth he translated Karl Manu-heiad's Ideology and Utopin. During tho war, his sindles to colloboration with If. V. Dicks demonstrated that Nazl ideology was less important in maintaining morale in the Webr-macht than its structure of face-lo-face groups, which utso made it rele-

On the paddy wagon

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Araukenness, alcohol-reinted dentis, psychiatric admissions with alcoholic psychosis, the rates contributed by licikh-born intalgrants were specioc-ular. At first, Stivers confuses thlags by amaginar in the with the borner of the contents by amaginar in the with the borner of the contents Deluking becomes of the

nted to various deviant groups are real or somethow artefacts of society's dominant reaction. To second both for the origins of a specific form of deviance and for the reactions it evokes are hord enough tasks to complete separately, To connect these accounts is son enterprise which has defeated most. The connexion between identity and stercotype which Stivers sets out to examine in this undisciplined, the transit methods, is that between the teenth-century American. In mine-teenth-century American. In mine-teenth-century, the evidence which could be used to support this con-uexion was traly impressive. In such recurds as convictions for

cuncrete meanings of dec. the new world these in the formul themselves in the

At first, Soivers confuses that as hy appearing in my with the extreme labelling tendency to deflect explorations of such patterns by shifting the debute to a descrip-tion of mydis boil sternotypes, indeed even ofter avoiding this tran-the still talks about how the nega-tive group identity of drankard was "foissed" on Irisis Americans through the same processes which perpetuated storentypes of other ethnic groups. His own evidence and thesis shows that it is ult more complicated than this, After a historical account of why the Irish duality, he shows how the hast culture reinfurced this negative drankard imagery and

scientist.

oun I

Fame 2

Uncovering the connexions

Culture and its Crenturs : Essays in Ifonuur of Edward Shils edited by Joseph Hen-David and Terry Nichols Clark

Institutional resources for domina-tion. He was me of those who in the idealogy " in the West, but the strains of McCarthyism were also recognized in his The Torment of Secrecy. Along the same time he became deemly interested in the became deeply interested in the and, respectively, sociology problem of political integration in lar and economics, the bas the Third Wueld. To another in-finential essay he has defended then millioncy of the light dist mass culture from its intellectual dent millioncy of the last w defractors.

Little of this chuld be directly discovered from Culture and its Creations. The culture provide only Creators. The cillurs provide only o radier perfunctory introduction which says very little alout Shills bimself. Perhaps they felt that any prefuce would be superfluous to such a star-studded list of con-tributors: Aron, Lipset, Eisenstadt, Janowitz, the inte Harry G. Joinson, Bendix, Geeriz, Saul Belliny, Pris-cilla and Terry Clark, Gooly, Bon-David ond Parsons. They observe that, "without any deliberate design on the part of the authors or the editors, every part of tho

why culture, while Bendy or why culturel nobilization & educotest middle class way we be pultically fragmented effet century Germany. Sail Relevthe Clurks are concorned with pushing of creative entity America and France, Ben-Derit Parsuns with the institution thun of scientific creativity and vocsities.

Jack Gnody's notable carry Jack Gnody's notatis controller two priminent recent controller thut between Lorf-Straus a Surtre about "primitre b "modern" thought with the t tween Knbu ond Eopper et b growth of knowledge. He are tween Knou ond toppa growth of knowledge. He need that biteracy produces qualitation changes in through through the b stitutionalization of criticism.

The connecting fixeds bergen the essnys are more ended in a detailed reading than is an per-sible spunnary. Nevertheless, he sible summery. Neverberg diversity of topics and the pic tho book taken together det strute the obstacles confronting one who now proposes to pro-commercially e volume in he of a nuted scholar. Are the ut the jest schirif numbered?

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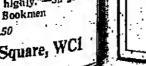
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response to the Ely condal

on all of these the last volume sheds light but not anything approaching illumination. On the CDP Initiative, for example (which was part of the struggle between the emerging Social Services and the established flome Office we are armsed rather than informed by Crossman's account:

Crassman's secount: "Ac Suchil Services Committee we had another discussion of this extraordinary commonity experi-nent iden the Home Office has put forward, drafted hy Derek Morrell.

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tory and philosophy of science at New Holl Cambridge; David Lnytoo is visiling professo

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Vivinn Vole, lecturer in polities el the University of Southampice, is author of Labour in American Polltics ond co-author of American Political Institutions in the 1970s.

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become a second lleveridge? Certainly, there was much scope, His regard for Brian Ahel-Smith shipes through in a world darkened apprently by nincompoons, hores and finatics. Yet the diaries are ne was the first holder of the office-coincided with an unusual number of major changes: a sign-ficun government initiative in social vervice development Pro-tics the reganization of hord otherity social service and the

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LECTURER/SENIOR INSTRUCTOR/TECHNICAL INSTRUC-TDR (CARTOGRAPHY): Appointment can be made at any one of these fevels according to the qualifications of the selected condidates from mixing applicants or others con-sidered selfable. Quelifications: for appointment at Lec-lurer/Senior Instructor levol—a first degree in or with union in carlography or equivalent professional qualification plus practical experience in one or many carlographic office-working mainly in the map-drafting mea. Tractiling exper-ence in cortography desirable. For appointment at instruc-lor lovel—n diploma or equivalent qualification in carlu-graphy plus practical experience in carlographic work par-ticularly to the anordrafting area. ticularly to the rom-dratting nren. Trachlug asperious a carlography designble.

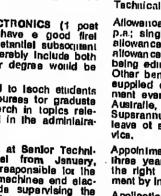
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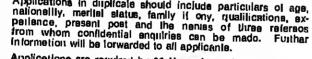
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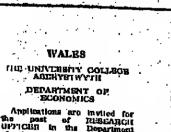
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Applications in duplicate should include particulars of age,

Applications are required by 30 November, 1977, and should be achi to the Registrer. The Papua New Guines University of Tachnology, PO Sox 793, Les, Popua New Guines. A copy of the application should be eent to the Association of Commonwealth Universities (Apple); 35 Gordon Square, London WC1H SPF.







Applications are invited for the past of RESLATICH UP7CULR in the Department of Connences, to commence from January 1, 1978, or such later date as may bo

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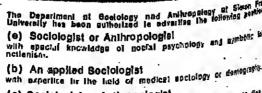
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CANADA

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THE TIMES HIGHER EDUCATION SUPPLEMENT 18.11.77

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UNIVERSITY OF STRATHCLYDE **PROFESSOR OF BUSINESS LAW**

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Professorship

of Education

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The salary range is: £8,713-£19,192 p.s. Incra-

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Application form and lur-ther details of the post may be obtained from the

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TECHNOLOGY

UNIVERSITY OF

LECTURER IN

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THE WILLIAM GIRLING WATSON TRAVELLING SCHOLARSHIP IN

ELECTRICAL ENGINEERING

Applications are invited for the above mentioned achelarahip which may be everyded at a posigistuale on posidectoral level according to the appel-ence and qualifications at the applicant.

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number Information and applica-the forms are evaluable item the Register, University of Gyd-my, NSW 2005, Australia, with whom applications close on 20 Jenuary, 1978. Latest dete for rscaipt of applications is Wednes-day, 14 December, 1977. M. F. Kelfsher, Secretary.

University of Wetes CHEMISTRY DEMONSTRATOR

Salary : £2,904 : £3,119 : £3,333 Requests (quoting Ref. THES) for details end spplication form to Parsonnel Section (Academic)

(to work for PhD)

EDUCATION Applications are invited from credu-otus with suitable expendence for the post of LECTUREN in the Dep-nationarit of Physical Education and Sports Science, while special refer-cice to the science of aport. During will include mulecuteduate teaching and supervision of pustgaaduate studies and research. Salory within scale £3,33-66,655 (under volve). Posterod requests for invitier details and application forms to Poul Johnson, Fytabilishment Officer. Ref.: 77/38 PE. UWIST, Cardill CF1 3NU. Longhborough Closing date : 2 Dec., 1977.

> UNIVERSITY OF BRADFORD CHAIR IN

> > PSYCHOLOGY

The University seeks to special a Protassor of Pay-chology to stimutate develop-ment in the broad hield of Psychology as a whole and in particular to ancoursor the Interaction of studies in ex-perimental and seclel psycho-ters. Classing data for ter-

perimental and becer perimental logy. Cleaing date for te-celpt of explication te 18 January, 1978. Further par-liculars from the Scoletat,

University of Bredford, Grad Jord, 807 10P.

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UNIVERSITY OF TECHNOLOGY Lecturer in Computing

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Analignings ora invited for ine HEADBILIP of the Divi-ation in the School of Berlei Sciences. The successful can-idate with be requesting to leading. the inefing to highly reserved of a singles. Singley qualities sconsmiss. Singley Rest of a single science is tial role

Salary action £6.634 to 27.506 (har) to £11,202 per annum orosa inclusive pitte 1977 Outsham sward.

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Colleges and Institutes of Technology

CO. WESTMEATH VOCATIONAL EOUCATION COMMITTEE

ATHLONE REGIONAL TECHNICAL COLLEGE Applications was involved, from curtanty qualified persons, for the fol-lowing permanent whole two personnels posts :---

LECTURER SCALE I

4-452 C 44-54

1. MATHEMATICS or ENGINEERING (Protection on any bo given) to candidates with computer experience.]

ASSISTANT LECTURER

1. ART. Preference may be given to conditions who have a becogramid of graphics and design (

AGRICULTURAL ENGINEERING or CIVIL ENGINEERING.

(With sppropriate synstienco of larm buildings.)

Salary Scalas. Laolatar, Scala I, 20.020.00-20,003,00. Assisiant Lacturer, 24,474.00-20,273.00.

Children's cliowances are psyable where applicable.

The number of increments which may be sweeded for provious suff-oble experience is normally a maximum of ive.

OunHitsHons and Conditions of Service in percendence with Memory 7 of the Oppatiment of Education.

Application forms and particulars of the pasts are publication in the Principal. Regional Technical College, Oublin Read, Athlasie, Ge. Westmosth, liniand (Pices 0002 2047), with whom completed negovicities forms should be folged not later than 0.00 p.m., Wed-nosday, 7th Occenter, 1977.

S. O. Lechising, C.E.O., Committee's Office, Bridge Nouse, Salle yus Road, MULLINOAR, Ireland.

LOTHIAN REGIONAL COUNCIL

NAPIER COLLEGE OF COMMERCE AND TECHNOLOGY LECTURER (A)

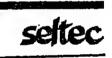
IN INQUETRIAL OFEIGN-DEPARTMENT OF DEEION

(Re-sdverilsement) Salery on Scele \$3,895-\$6.523 (Ber)-\$7,008. To esslet with teeching programmes for the BSc Degree course in Industriel Design (Technology) and other daeign coursea.

Applicents should posses a dagrae end/or equivalent pro-leelonel qualifications and pretarably heve hed Industriel, research or taeching experience.

Colleges of Further Education

SOUTH EAST LONDON COLLEGE



Vice-Principal

The College is in the lower half of Group 9. The post, which is available from May 1978 due to the retire-ment of the present holder, is one of three within the College and the salary is $\pounds 10,143$ plus $\pounds 402$ London Allowence.

Applicants should have had a wide experience of teaching in further educorion and of administration within a lerge college.

Application jorns, returnable within two weeks of the date of this advertisement, and further particulars con be obtained from the Senior Administrative Officer, SELTEC, Lewishan Way, London, SE4 JUT.

TRAFFORD Jorgu git ol

Tulbol Good, Elreiford, Manchester M32 OXII

LONDON INNER LONDON EDUCATION AUTHOR COLLEGE LONDON, COLLEGE UP MAINTAIN CARLO ELONDON, COLLEGE UP MAINTAILES LONDON, COLLEGE UP ELONDON, COLLEGE LONDON, COLLEGE TAILES LONDON, COLLEGE AND GENERAL STUDIES AUTOR STATES ADDIEST COMPANY STUDIES MAINTAINS OF AUSTRALIA MAINTAINS OF AUSTRALIA MAINTAINS OF AUSTRALIA MAINTAINS OF AUSTRALIA AUSTRALIA STUDIES MAINTAINS OF AUSTRALIA AUSTRALIA MAINTAINS OF AUSTRALIA AUSTRALIA

LONDON

EDUCATION COMMITTEE NOTH THATFOLD COLLEGS OF FURTHER EDUCATION

(Full-time)

LECTURER II (Temporary far Iwa Jorns) Both posts are for Joathers of English as a foreign languagie and are required from Janeery 1978. Experience of leaching English to oversees studgets or appropriate qualili-celicas are essential. Salary: Locurer I 23.460 to Salery: Lociurer | £3,460 to £4,377. Lociurer || £3,279 to £5,495 plus £313 supplement.

Furlies particulars and appli-cation form inay be obtained upon the reroipi of a 8.A.E. from the Principal io whom complaind forms should be re-

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THE REPORT OF THE PARTY OF THE LONDON

INCLOSIVERSITY INSTITUTE OF LOUGATION MA IN LECATION IN DRIVAN AND AS

The institute offices a control intended to meet the needs of trachers, administrations and dates when have a narifectar interest in the stavision of education in tribut after bi-cluding base cities.

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Candidates will be required to sil papers and prepare an individual report or equivalial operation on a total related to beir own interests.

Schliebles and non-productives with expression exaction it institutions and separities a institution of series of the institution institution for the institution of Education, 20 institution of Education, 20 institution way, London W1311

SURREY THE UNIVERSITY

DEPARTMENT OF M.B., IN SOCIAL RESEATCH Pari-Limo

Applications are invited for the 1/2/1/24 fittake of the Dirioting March, which is held and the second second second on a day-release basis, covers on a day-releas

All students lako courses in utelinete, expensionisticnel licency and social palky, logether with interinet, expension of the main concellar in account of main concellar in account ind social revenues and indexed revenues of the interinet of the social of the of the following options:

Sociology of Education. Social Services ond Work Research. Medical Sociology (festil) Services Hosearch.

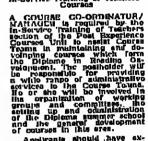
Meisan Sociology and Com-Industrial Beciology.

Entry 14 open 10 gradup/og nd officers with profossional miging and relevant export-

». Inafici describino ino se mui gonicatian forma availeble from the freque University of Surrey. Miford, Surry OU2 &XII. Closing date for applications, December 31, 1977.

THE OPEN UNIVERSITY POST-EXPERIENCE COURSES UNIT

COUNSE CO-ORDINATON/ In-Service Training of Teachers' Courses



A policante should have ex-periones in seministration and proforably a pool information infrom. Providus work in thin feld of oducation would be really but not essential. irefil, bti nol estential. Tha thouse Co-ordinalai/ Minagor poel ina hithoric boor calloi Course Assisted. Thu University hos nol yoi finally sopoliated the salary actio of lerons and romitions of sorvice. but the salary will not be low than the current Course Assi-tin scule (22.695 to 64.7/10) with astpromiting of the salar but series and the salary will not be than the current Course Assi-tion scule (22.695 to 64.7/10)

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ITALY **FLORENCE**

Università Internezione le dell'Ario Morch 28-April 8

Course on Art Illajory es launhi loday Sludy at form on analysis of article (an-nal analysis of article (an-nal) and the strategy of the strategy of the strategy of the responsion visits is museume and responsion visits of works, critical analysis of works, For all further details: U.I.A. Villa formation, Vie Addurelli 66 50139 Thenze-



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KELVIN GROVE COLLEGE OF ADVANCED EDUCATION

refan Grave College of Advanced Education is an autonomous cathocational college spaciolising in the proparation of pre-table, primary and accordary teachers. It offors a wide range of networks conces for teachers which include a lour-year degrae of networks from 1977. Student enrobutent is epprechanically 2,300.

LECTURER/SENIOR LECTURER IN EDUCATION (2 positions) Ref. Nos. 77/A/18 and 77/A/19 Tes iscancies will exist early in 1976 in the Usperiment of Educa-Tes iscancies will exist early in 1976 in the Usperiment of Educa-tion of the service is a senior facturer would be expected proceedings the work of a team of facturer. The other with relate to Churcheutum Studies and in particular to the other with relate to Churcheutum Studies and in particular to change akille courses for accordary school offended pre-service

tante should have high ocademic qualifications and successful LECTURER IN ART

Ref. No. 77/A/23 A letter in Art subjects to required with experience and quellice-tions in the area of Art Education. Higher degree desirable, but an erseties and a high level of compatency in practicel art is

LECTURER/SENIOR LECTURER IN HOME ECONOMICS

(Re-advertised) Ref. No. 77/A/24

Ref. No. 77/A/25

LECTURER/SENIOR

LECTURER IN DANCE (Readvertised) Ref. No. 77/A/26

To be tesponsible for planning and conduciing practicel closese in dures and lociving in appacts of denca to students in the Associate Distance of the Parlorming Arts (Oance) Course.

Lacturer \$12,594-\$19,262 per annum Sanler Leolurer \$19,874-523,958 per annum

Application lotme and furthor dolatie are evallable from the Asiling Residuar, Katwin Grove Collego of Advanced Education, Victoria Park Rod, Katvin Grove, Brisbane, 1058, Australia. Telephono ; 356 Kiti.

ENGLISH LANGUAGE TEACHING

THE BRITISH COUNCIL Overseas Career Service

The British Council, which has a responsibility for Britado's Minural and educational relations ovarseas, will have some meacies in 1978. Statif can expect ho work overseas for help of their careers in some of the 80 countries where he council is represented.

Suit joining the Overseas Career Service bring with them to the variety of skills and experience and appelutments it had with a view to evectual transfer to non-specialist magning need for a proportion of new shift with qual-bations and experience in ELT, as well as in the other withering and therefore in ELT, as well as in the other withering and therefore in the Council : science, withering and therefore in the council : science, withering and therefore in the council : science, with the council is science in the council : science in the other with the council is science in the council : science in the other with the council is science in the council : science in the other is the council in the other is the

We should like to hear from you if you have not less than no years' experience in ELT, preferably overses, and wheth a relevant postgraduate qualification. Fluent French 'slowledge of e hard language, Arabic for example, will "selvantsgeous, but an essential requirement is the per-tenation manageriel qualities which overseas representation "mands.

Attently, most successful candidates for the Dverseas Career Service, have been between 25 and 32 years of ege ; Wher randidates, up to 40, will be considered if their superience is particularly relevant.

The brilled safety is in the region of £4,900, possibly higher for particularly well-qualified candidates, and terms and conditions of service are in line with those of comparable organizations in the public sector: free accommodation and overseas allowances, including children's education allowances are provided while surgers Wances, are provided while oversees.

For further details and an application form, please write or tolephone guoding (C13) to Staff Recruitment Depertment, The Brillsh Council, 55 Davies Street, London W1Y 2AA, telephone 01-499 8011, est. 3041.

AMESOURDE - AUGUATIA DA CARACTERIA CONTRACTOR AND ALL OF A DATABASE A 30622-016 (1100 1101915

Principal Locturer or Senier Lecturer [Relerance 77/89]

Communication Stuttos and Laught within the School of General Studies in includignature degree and diplome council. Specific areas reverted include the presental Communication, Mass Communi-cation Tables, Communication Statistics and Interaction, Matter Languages, Audio Visual Production, and Research in Communi-tion. The Communication Studies section has dinaide Halsed with Industry and Communication Studies section has dinaide Halsed with Industry and Communication Studies sections in the interaction must be widened to that lutter cooperation can be actived. It is expected that graduate courses, both formal undivident of the developed.

Noquiroments

- The position requires a poison who ---
- tet is formally resulted in the field of Communication with a back ground in the social and behaviouret actioncys (MA or PhD) (b) had al least three years' experience in teaching at fertiary level
- Ict the substantial practical experiences in Communications in ror subing or sumifier roles) in scale such as organizational Com-munication, Audio-Visual production, Applied Research in Com-munication, etc. tot has proven administrative and leadership ability
- (a) has an informed and wide outlook ragarding the expending lield of Communication Studies, and an interest in store such us intercultural Communication, cultural studies. etc.
- Opin of Availability :---The position will be vecani as from February, 1978.
- Selary within the range A\$21,545 to A\$24,012 per ennum Further Inquiries :---
- inquilles regerding the position onn bo medo to the Stall Ollico with whom applications close on Jenusy 16, 1976. CAULFIELD INSTITUTE OF TECHNOLDGY
- **SGO DANDENDNG ROAD**
- CAULFIELD EABT VICTORIA 3145
- AUSTRALIA

ANNOUNCEMENT

Promulgation of vacancies on the Teaching Staff of the Centre of Translation and Interpretation In Corfu, Greece

By decision of the Minister of Netional Education and Religion, the following three (3) Instructors' pos-tions of Brench 2 and Safary Bosle 5 are to be filled through satestics through selection :

- 1. One position for en Instructor whose mother tongue is Engliah. 2. One position tor an instructor whose mother
- tongue la French. 3. One position for an instructor whose mother tongue is German.

Applications and all necessary documents should be submitted to the Oirectorate of Personnel, General Oirectorate of Vocationol Education, of this Ministry within 30 days from the publication of this ennouncement in the delly newspepera.

- For eny intermetion please spply to : Mr. N. Diskostergiou Ministry of National Education and Raligion 15 Motropoleos Street 4th Floor, Diffice No. 407
- Athens, Greece Telephons No. 32 28 183

General Vacancies

TECHNICIAN EDUCATION COUNCIL

Advisory Officer for ART AND DESIGN

Applicants are lovited for this challenging new post, which is being created following the validation of vocational courses in Art and Design below degree level. The successful candi-ilaic will lead a team of steff being formed to undortake this major development. Applicants must have relevant knowledge ond experience either as a designer or in education.

The salary scale is related to thet for Grade IV The salary scale is related to the tor Grade IV Heads of Departments plus Central London allowence, plus Phaso I and Phase II supple-ments (£7,650-£8,526 p.s.). Startiog solory will depend on previous experience end qualifica-tions. Further particulars of the appointment can be obtained from the Chief Officer, (ref AD) Technician Education Council, 76 Portland Place, London, WIN 4AA. Closing date for applications: Thursday, cane December.

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THE GOYAL GELFAST ACADEMICAL INSTITUTION ((ounded 1910)

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The Brain of Governois invites applications for the position al



which will become vacant in the summer of 1978 on the roturancent of Mr. S. V. Paskeli, M.A.

Particulars of the School will be found in the Public Schools Year Book and details at the appointment may ho obtained from the Secretary to the Governors, to whom spatications should be forwarded.

> L. F. Weshbrook, I.P.F.A. Secretary to the Board of Governors Collega Square East Belfast BT1 6DL

Announcement

Political Studies Association Social Science Research Council

POSTGRADUATE CONFERENCE **IN POLITICS**

The P.S.A. and S.S.R.C. are joinily eponsoring a conter-ence at the London School of Economios, Decamber 15-17, 1977, for tirst year research students. Applicational from other graduate atudents in politics will be welcomed. Coats £15.50 with accommodation, £10.50 without. Travel reimbursable for S.S.R.C. research eludents. Speekers include Jey Blumler, Robert Dowee, Lawrence Freedmen, Steven Lukee, Geraint Perry, Richerd Rose and Jim Sherpe.

Olocussion groups will cover precticel research problems including euryey and interview techniques, the use of historical documents and atudy abroad. Further details and application forms from Pefer Dawson, L.S.E., London WC2A 2AE.

Universities continued

ULSTER: The New University SCHOOL OF SOCIAL SCIENCES LECTURESHIP IN ECONOMICS

Applications are invited for a lali-time Laoluroship which is avail-oble from 1st Jenuary, 1978, or a date to be errenged. Candidates should have a good honours degree in Economies, Accounting, Business Administration or cognate subject. An ability to basio theoretical pourses in Economics and Accounting would be an advan-

Selary 123,333-25,655 per annum (whit FSBU/USS). Further perticulers may be obtained from The Registrar, The New University of Ulsiar, Colarcins, Notifiern Iraised 3752 18A (quoting Ref. 77/151), is whom applications including a curriculum vites and names and addresses of three referees should be sent not later than 5th Occomber, 1977.

Administration

ADMINISTRATIVE ASSISTANT Salary Ocale £3,825 to £4,095 plus pay supplements of £312 and 5 per cani per annum



The post will be subject to local advernate t coeditions of sprvice on d supprennumition, Por further defails end an application form ploase anning (5: The Personne's Assistant, Lacat' Gevernment Truttine Board, B The Arnamic Contro, Lutos, LUI 275.

Higher Education SUPPLEMENT New Printing House Square, P.O. Box 7

Gray's Inn Road, London WC1X BEZ

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Lorraine Williams 01-837 1234 , Extn 575

THE TIMES

LUTON

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